| · · · · · · · · · · · · · · · · · · ·   | d Jurisdictional Determination:  | 07/30/2012                             |                   |
|---|--|--|-------------------|
| B. District Office and File No: Los Angel   | les District, File No. Pending   |  |                   |
| C. Project Location and Background Info   | ormation: Drainage Feature 1   |  |                   |
| City, County, State Sif Oidak District,   | Tohono O'odham Nation, Pima  | and Pinal Counties,                    | Arizona           |
| Center coordinates of site: Lat. 32.50  | 73 Long111.9100  | )                                      |                   |
| Name of nearest waterbody: Unname   | ed Wash 1  |  |                   |
| Name of nearest downstream TNW:   | Gila River between Powers Butte  | and Gillespie Dam                      |                   |
| HUC Code: 15050306  |  |  |                   |
| ✓ Map/Diagram of potential jurisdictio  | nal area is available on request   |  |                   |
| D. Review Performed for Site Evaluation   | 1:   |  |                   |
| Office Determination. Date:   |  |  |                   |
| Field Determination. Date: 05/2012  |  |  |                   |
| -   |  |  |                   |
| SECTION II: SUMMARY OF FINDINGS  A. RHA Section 10 Determination of Jul   | ricdiction   |  |                   |
| There Are No "navigable waters of the   |  | n the review area                      |                   |
| _   | •  |  |                   |
| B. CWA Section 404 Determination of J There Are No "waters of the U.S   |  | roviou aroa                            |                   |
|   | S." within CWA jurisdiction in the   | review area.                           |                   |
| 1. Waters of the US:  | Midth (ft) and /an   | A 2422                                 |                   |
| Linear Feet   | Width (ft) and/or  | Acres                                  |                   |
| Limits of Jurisdiction based on:  |  |  |                   |
| 2. Non-Regulated Waters/Wetlands  |  |  |                   |
| ✓ Potentially jurisdictional waters a   |  |  |                   |
| Drainage is ephemeral and does  | •  |  | •                 |
| anneidened invitediational if it man  | ssessed a significant nexus with a   | a downstream TNW.                      | rnis drainage do  |
| considered jurisdictional if it pos   | with the downstream TNW.   |  |                   |
| not possess a significant nexus w   | with the downstream TNW.   |  |                   |
| not possess a significant nexus w   |  |  |                   |
| not possess a significant nexus we section III: CWA ANALYSIS  A. TNWs AND WETLANDS ADJACENT TO  |  |  |                   |
| not possess a significant nexus we section III: CWA ANALYSIS  A. TNWs AND WETLANDS ADJACENT TO 1. Identified TNW:   |  |  |                   |
| not possess a significant nexus we section III: CWA ANALYSIS  A. TNWs AND WETLANDS ADJACENT TO  |  |  |                   |
| not possess a significant nexus we section III: CWA ANALYSIS  A. TNWs AND WETLANDS ADJACENT TO 1. Identified TNW:   | O TNWs   | ":                                     |                   |
| not possess a significant nexus westernion III: CWA ANALYSIS  A. TNWs AND WETLANDS ADJACENT TO  1. Identified TNW:  Rationale for TNW determination:  2. Rationale for conclusion that any  | O TNWs<br>wetlands present are "adjacent   |  |                   |
| not possess a significant nexus westernion III: CWA ANALYSIS  A. TNWs AND WETLANDS ADJACENT TO  1. Identified TNW:  Rationale for TNW determination:  | O TNWs wetlands present are "adjacent  | TLANDS                                 | 4                 |
| not possess a significant nexus west.  SECTION III: CWA ANALYSIS  A. TNWS AND WETLANDS ADJACENT TO 1. Identified TNW: Rationale for TNW determination: 2. Rationale for conclusion that any B. CHARACTERISTICS OF NON-TNW TRI TNW Watershed Size (sq mi): 496.                            | O TNWs  wetlands present are "adjacent IBUTARY AND ITS ADJACENT WE Tributaries flow  | TLANDS                                 | 4<br>30 (or more) |
| not possess a significant nexus west.  SECTION III: CWA ANALYSIS  A. TNWS AND WETLANDS ADJACENT TO 1. Identified TNW: Rationale for TNW determination: 2. Rationale for conclusion that any B. CHARACTERISTICS OF NON-TNW TRI TNW Watershed Size (sq mi): 496.                            | O TNWs  wetlands present are "adjacent IBUTARY AND ITS ADJACENT WE' Tributaries flow River Miles from                                    | TLANDS<br>to TNW:                      |                   |
| not possess a significant nexus west.  SECTION III: CWA ANALYSIS  A. TNWs AND WETLANDS ADJACENT TO 1. Identified TNW: Rationale for TNW determination: 2. Rationale for conclusion that any B. CHARACTERISTICS OF NON-TNW TRI TNW Watershed Size (sq mi): 496 Drainage Area (sq mi): 0.00 | O TNWs  wetlands present are "adjacent IBUTARY AND ITS ADJACENT WE' Tributaries flow River Miles from River Miles from Aerial Miles fron | TLANDS<br>to TNW:<br>tributary to TNW: |                   |

Feature ID: 1

| Identify flow route to   | TNW:  |
|--|---|
| •  | ithin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography y route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural  | Explain:  |
| Average Width (ft):  | 9.86  |
| Average Depth (ft):  |   |
| Avaraga Cida Clanası   |   |
|  | trate composition (check all that apply):   |
| Primary tributary sub  | trate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ✔ Gravel ☐ Vegetation  |
| ✓ Silts ☐ Sands  | trate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  uck Other, Explain:   |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/S | trate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  uck Other, Explain:   |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/S | trate composition (check all that apply):  Cobbles Bedrock Gravel Vegetation  uck Other, Explain:  ability. Explain: Stable   |

| (c) Flow:                  |                               |   |  |  |          |                  |  |  |
|----------------------------|-------------------------------|---|--|--|----------|------------------|--|--|
| Tributary Provides for:    | Ephemeral Flow                | phemeral Flow Average Flow Events per year: |  |  | 2-5      |                  |  |  |
| Describe Flow Regime:      | Ephemeral                     | Other Information on Duration and \         |  |  | Volume:  |                  |  |  |
| Surface Flow is:           | Confined                      | Characte                                    | ristics:   |  |          |                  |  |  |
| Subsurface Flow:           | No                            | Explain:                                    |  |  |          |                  |  |  |
| Tributary Has:             |                               |   |  |  |          |                  |  |  |
| ✓ Bed and Banks            |                               |   |  |  |          |                  |  |  |
| ✓ OHWM: OHWM Inc           | dicators:                     |   |  |  |          |                  |  |  |
| ☐ Clear, natural line      | impressed on the bank         | i   | /egetatio  | on matted                                  | down, k  | ent or absent    |  |  |
| ✓ Changes in soil cha      | racter                        |   | eaf litte.   | r disturbed                                | d or was | hed away         |  |  |
| ☐ Shelving                 |                               |   | ☐ Presence of litter and debris                      |  |          |                  |  |  |
| ☐ Sediment deposition      | $\square$ Sediment deposition |   |  | Destruction of terrestrial vegetation      |          |                  |  |  |
| ✓ Sediment sorting         | -                             |   |  | $\square$ Abrupt change in plant community |          |                  |  |  |
| ☐ Scour                    | ☐ Scour                       |   | $\square$ Multiple observed or predicted flow events |  |          | cted flow events |  |  |
| ☐ Presence of wrack        | line                          |   | Vater sta  | aining                                     |          |                  |  |  |
| Other (list):              |                               |   |  |  |          |                  |  |  |
| ☐ Discontinuous? Ex        | rplain:                       |   |  |  |          |                  |  |  |
| (iii) Chemical Characteris | tics:                         |   |  |  |          |                  |  |  |
| Characterize Tributa       | ry:                           |   |  |  |          |                  |  |  |
| Identify Specific Poll     | •                             |   |  |  |          |                  |  |  |
| , ,                        | ,                             |   |  |  |          |                  |  |  |
|                            |                               |   |  |  |          |                  |  |  |
|                            |                               |   |  |  |          |                  |  |  |
|                            |                               |   |  |  |          |                  |  |  |

| Feature ID: 1  |      |
|--|------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |      |
| Riparian Corridor Characteristics:   |      |
| ☐ Wetland Fringe Characteristics:  |      |
| Habitat for:   |      |
| ☐ Federally Listed Species Explain:  |      |
| ☐ Fish/Spawn Areas Explain:  |      |
| ☐ Other environmentally -sensitive species   |      |
| ☐ Aquatic/Wildlife diversity Explain:  |      |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                       |      |
| (i) Physical Characteristics:  |      |
| Wetland Size (ac): Wetland Type, Explain:  |      |
| Wetland Quality, Explain:  |      |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |      |
| Wetland Flow is: Explain:  |      |
| Surface Flow is: Characteristics:  |      |
| Subsurface Flow: Explain Findings:   |      |
| ☐ Wetland Directly Abutting Non-TNW  |      |
| ☐ Wetland Not Directly Abutting Non-TNW  |      |
| ☐ Discrete wetland hydrologic connection Explain:  |      |
| ☐ Ecologcal connection Explain:  |      |
| ☐ Separated by berm/barrier Explain:   |      |
| Project Wetlands: River Miles from TNW:  |      |
| Project Wetlands: Aerial Miles from TNW:   |      |
| Flow is From:  |      |
| Approximate Location of Wetland within Floodplain:   |      |
| (ii) Chemical Characteristics:   |      |
| Characterize Wetland System:   |      |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |      |
| ☐ Riparian Buffer Explain:   |      |
| ☐ Vegetation type/percent cover. Explain:  |      |
| Habitat for:   |      |
| ☐ Federally Listed Species Explain:  |      |
| ☐ Fish/Spawn Areas Explain:  |      |
| Other environmentally-sensitive species Explain:   |      |
| ☐ Aquatic/Wildlife Diversity Explain:  |      |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                      |      |
| All wetland(s) considered in cumulative analysis:  |      |
| Wetland acres in total being considered in cumulative analysis:  |      |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical function | ns): |
|  |      |
|  |      |
|  |      |

| . SIGNII ICANII NEAUS DE   | TERMINATION   |
|--|---|
| 1. Significant nexus find into TNW. Explain:   | lings for non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte a<br>discharges, in combinati<br>downstream manmade<br>possibility of a hydrologi<br>critical habitats were ide<br>does not provide lifecycl<br>drainage does not have<br>biological integrity of the | al drainage is located more than 100 river miles from the nearest TNW, the Gila River and Gillespie Dam. An analysis of peak yearly discharges and potential flood on with the geomorphology of the Analysis Area, the presence of a significant impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the ic connection between this drainage and the TNW is tenuous. No pollutants or entified within the Analysis Area. Additionally, this unnamed ephemeral drainage le support functions, nutrients, or organic carbon to species within the TNW. This more than a speculative or insubstantial effect on the physical, chemical, and/or e TNW. Therefore, this unnamed ephemeral drainage does not possess a significant ch of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus find or indirectly into TNW.  | lings for non-RPW and its adjacent wetlands, where the non-RPW flows directly<br>Explain:   |
| 3. Significant nexus find<br>Explain:  | lings for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
| . DETERMINATIONS OF J  | URISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| 1. TNWs and Adjacent V   | Vetlands  |
| ☐ TNWs:  | Linear Feet Width (ft), Or, Acres   |
| Wetlands adjacent  |   |
| Reserved for Section III   |   |
| 3. Non-RPWs that flow  | directly or indirectly into TNWs.   |
| ☐ Non-TNW/non-RPW  | waterbody that flows directly or indirectly into a TNW and has a signficant nexus herfore jurisdictional.   |
| Length (Linear Feet):  | Width (feet): Acres:  |
| Reserved for Section III   | D 4 (Wetlands directly abutting RPWs):  |
| Reserved for Section III   | D 5 (Wetlands adjacent to but not directly abutting RPWs):  |
| 6. Wetlands adjacent t   | o non-RPWs that flow directly or indirectly into TNWs.  |
| ☐ Wetland adjacent to has a significant nex  | o non-RPWs which, in combination with the tributary and other adjacent wetlands, cus with the TNW.  |
| Estimated size of jur  | risdictional wetland (in acres):  |
| 7. Impoundments of iu  | risdictional waters.  |
| ,p   | urisdiction:  |
| Demonstration of Ju  |   |
| Demonstration of Ju  | LUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF TERSTATE COMMERCE  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 1   |  |
|---|--|
| As described in Section 30 possess a significant nexu   | C1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW.  |
| Explain finding of Other:   |  |
| <ul><li>Non-wetland waters</li><li>Other waters</li><li>Wetlands</li></ul>  | 2489.06 linear feet (ft), 9.86 width (ft) acres acres  |
| SECTION IV: DATA SOURCES  |  |
| <ul><li>✓ Maps, Plans, Plots or F</li><li>✓ Data Sheets Prepared,</li><li>☐ Office Concurs with</li></ul>   | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  /Submitted on behalf of Applicant in delineation  oncur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey I</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul>        | r Study<br>Hydrologic Atlas  |
|   | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                     |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> <li>□ 100-year Floodplain El</li> </ul> | nventory Maps  |
| •   | evation is: (National Geodetic Vertical Datum of 1929)  Name and Date): BING, Microsoft Virtual Earth 2008                                 |
| = -   | Name and Date): Ground Photos; May 2012  |
| _   | ons File No. and Date of Response Letter:  |
| ☐ Applicable/Supporting Other Information, Ple  | Scientific Literature Citation:  |

Additional Comments to Support JD:

| A. Report Completion Date for App  | roved Jurisdictional Determination:  | 07/30/2012  |                                      |
|--|--|---|--------------------------------------|
| B. District Office and File No: Los  | Angeles District, File No. Pending   |   |                                      |
| C. Project Location and Background   | Information: Drainage Feature  | 10  |                                      |
| City, County, State Sif Oidak Dis  | trict, Tohono O'odham Nation, Pim  | a and Pinal Counties, A   | Arizona                              |
| Center coordinates of site: Lat. 3   | 2.5073 Long111.91  | 00  |                                      |
| Name of nearest waterbody: Unr   | named Wash 10  |   |                                      |
| Name of nearest downstream TNV   | V: Gila River between Powers But   | te and Gillespie Dam  |                                      |
| HUC Code: 15050306   |  |   |                                      |
| ✓ Map/Diagram of potential jurisc  | lictional area is available on reques  | t   |                                      |
| D. Review Performed for Site Evalu   | ation:   |   |                                      |
| Office Determination. Date:  |  |   |                                      |
| Field Determination. Date: 05/2  | .012   |   |                                      |
| •  |  |   |                                      |
| SECTION II: SUMMARY OF FINDING   | <del></del>  |   |                                      |
| A. RHA Section 10 Determination  There Are No "navigable waters  | of Jurisaiction<br>of the U.S." within RHA jurisdictior  | in the review area  |                                      |
| _  | •  |   |                                      |
| B. CWA Section 404 Determinatio  There Are No "waters of the   | n of Jurisdiction<br>e U.S." within CWA jurisdiction in tl   | ne review area  |                                      |
| 1. Waters of the US:   | c o.s. within evva jurisdiction in the   | ic review area.   |                                      |
|  |  |   |                                      |
|  | Width (ft) and/or  | Acres   |                                      |
| Linear Feet  | Width (ft) and/or  | Acres   |                                      |
| Linear Feet Limits of Jurisdiction based on:   |  | Acres   |                                      |
| Linear Feet Limits of Jurisdiction based on: 2. Non-Regulated Waters/Wetl  | ands:  |   |                                      |
| Linear Feet Limits of Jurisdiction based on:  2. Non-Regulated Waters/Wetl ✓ Potentially jurisdictional wa   | ands:<br>ters and/or wetlands were assessed  | d and determined not  |                                      |
| Linear Feet  Limits of Jurisdiction based on:  2. Non-Regulated Waters/Wetl  ✓ Potentially jurisdictional wa  Drainage is ephemeral and  | ands:<br>ters and/or wetlands were assessed<br>does not qualify as a TNW or RPW.   | d and determined not<br>Therefore, this draina  | ge could only be                     |
| Linear Feet  Limits of Jurisdiction based on:  2. Non-Regulated Waters/Wetl  ✓ Potentially jurisdictional wa  Drainage is ephemeral and considered jurisdictional if   | ands:<br>ters and/or wetlands were assessed  | d and determined not<br>Therefore, this draina  | ge could only be                     |
| Linear Feet  Limits of Jurisdiction based on:  2. Non-Regulated Waters/Wetl  ✓ Potentially jurisdictional wa  Drainage is ephemeral and considered jurisdictional if inot possess a significant ne   | ands:<br>ters and/or wetlands were assessed<br>does not qualify as a TNW or RPW.<br>It possessed a significant nexus with  | d and determined not<br>Therefore, this draina  | ge could only be                     |
| Linear Feet  Limits of Jurisdiction based on:  2. Non-Regulated Waters/Wetl  ✓ Potentially jurisdictional wa  Drainage is ephemeral and considered jurisdictional if in not possess a significant ne   | ands: ters and/or wetlands were assessed does not qualify as a TNW or RPW. It possessed a significant nexus with xus with the downstream TNW.  | d and determined not<br>Therefore, this draina  | ge could only be                     |
| Linear Feet  Limits of Jurisdiction based on:  2. Non-Regulated Waters/Wetl  ✓ Potentially jurisdictional wa  Drainage is ephemeral and considered jurisdictional if in not possess a significant ne  SECTION III: CWA ANALYSIS  A. TNWs AND WETLANDS ADJACE   | ands: ters and/or wetlands were assessed does not qualify as a TNW or RPW. It possessed a significant nexus with xus with the downstream TNW.  | d and determined not<br>Therefore, this draina  | ge could only be                     |
| Linear Feet  Limits of Jurisdiction based on:  2. Non-Regulated Waters/Wetl  ✓ Potentially jurisdictional wa  Drainage is ephemeral and considered jurisdictional if inot possess a significant ne  SECTION III: CWA ANALYSIS  A. TNWS AND WETLANDS ADJACE  1. Identified TNW:   | ands: ters and/or wetlands were assessed does not qualify as a TNW or RPW. t possessed a significant nexus with xus with the downstream TNW.  NT TO TNWs   | d and determined not<br>Therefore, this draina  | ge could only be                     |
| Linear Feet  Limits of Jurisdiction based on:  2. Non-Regulated Waters/Wetl  ✓ Potentially jurisdictional wa  Drainage is ephemeral and considered jurisdictional if in not possess a significant ne  SECTION III: CWA ANALYSIS  A. TNWS AND WETLANDS ADJACE  1. Identified TNW:  Rationale for TNW determinat   | ands: ters and/or wetlands were assessed does not qualify as a TNW or RPW. It possessed a significant nexus with xus with the downstream TNW.  NT TO TNWs ion:   | d and determined not<br>Therefore, this draina<br>n a downstream TNW.                                   | ge could only be                     |
| Linear Feet  Limits of Jurisdiction based on:  2. Non-Regulated Waters/Wetl  ✓ Potentially jurisdictional wa  Drainage is ephemeral and considered jurisdictional if in not possess a significant ne  SECTION III: CWA ANALYSIS  A. TNWS AND WETLANDS ADJACE  1. Identified TNW:  Rationale for TNW determinat   | ands: ters and/or wetlands were assessed does not qualify as a TNW or RPW. t possessed a significant nexus with xus with the downstream TNW.  NT TO TNWs   | d and determined not<br>Therefore, this draina<br>n a downstream TNW.                                   | ge could only be                     |
| Linear Feet  Limits of Jurisdiction based on:  2. Non-Regulated Waters/Wetl  ✓ Potentially jurisdictional wa  Drainage is ephemeral and considered jurisdictional if in not possess a significant ne  SECTION III: CWA ANALYSIS  A. TNWS AND WETLANDS ADJACE  1. Identified TNW:  Rationale for TNW determinat  2. Rationale for conclusion tha  | ands: ters and/or wetlands were assessed does not qualify as a TNW or RPW. It possessed a significant nexus with xus with the downstream TNW.  NT TO TNWs ion:   | d and determined not<br>Therefore, this draina<br>n a downstream TNW.                                   | ge could only be                     |
| Linear Feet  Limits of Jurisdiction based on:  2. Non-Regulated Waters/Wetl  ✓ Potentially jurisdictional wa  Drainage is ephemeral and considered jurisdictional if in not possess a significant ne  SECTION III: CWA ANALYSIS  A. TNWS AND WETLANDS ADJACE  1. Identified TNW:  Rationale for TNW determinat  2. Rationale for conclusion tha  | ands: ters and/or wetlands were assessed does not qualify as a TNW or RPW. It possessed a significant nexus with xus with the downstream TNW.  NT TO TNWs  ion: t any wetlands present are "adjacent   | d and determined not Therefore, this draina n a downstream TNW.  nt":                                   | ge could only be                     |
| Linear Feet  Limits of Jurisdiction based on:  2. Non-Regulated Waters/Wetl  Potentially jurisdictional wa  Drainage is ephemeral and considered jurisdictional if inot possess a significant ne  SECTION III: CWA ANALYSIS  A. TNWS AND WETLANDS ADJACE  1. Identified TNW:  Rationale for TNW determinat  2. Rationale for conclusion tha  B. CHARACTERISTICS OF NON-TNV TNW Watershed Size (sq mi):  Drainage Area (sq mi): | ands: ters and/or wetlands were assessed does not qualify as a TNW or RPW. It possessed a significant nexus with xus with the downstream TNW.  NT TO TNWs  To TNWs  Tributaries flow 0.00083  Tributaries from the result of the possessed and the pos | d and determined not Therefore, this draina n a downstream TNW.  TETLANDS w to TNW: m tributary to TNW: | ge could only be<br>This drainage do |
| Linear Feet  Limits of Jurisdiction based on:  2. Non-Regulated Waters/Wetl  Potentially jurisdictional wa  Drainage is ephemeral and considered jurisdictional if not possess a significant ne  SECTION III: CWA ANALYSIS  A. TNWs AND WETLANDS ADJACE  1. Identified TNW:  Rationale for TNW determinat  2. Rationale for conclusion tha  B. CHARACTERISTICS OF NON-TNV TNW Watershed Size (sq mi):                          | ands: ters and/or wetlands were assessed does not qualify as a TNW or RPW. It possessed a significant nexus with xus with the downstream TNW.  NT TO TNWs  T | d and determined not Therefore, this draina n a downstream TNW.  nt": VETLANDS w to TNW:                | ge could only be This drainage do    |

Feature ID: 10

| eature ID: 10                   |  |   |
|---------------------------------|--|---|
| Identify flow route to 1        | ΓNW:   |   |
| _                               | •  | e ultimately tributary to the Santa Rosa Wash. Topography is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural           | Explain:                                     |   |
| Average Width (ft):             | 5.76   |   |
| Average Depth (ft):             | 1  |   |
| Average Side Slopes: 2          | 2:1  |   |
| Tilliary tributary subst        | trate composition (check                     | an that apply).   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ Mu |  | drock 🗹 Gravel 🗆 Vegetation   |
|                                 | uck Other, Explain:                          | drock ☑ Gravel ☐ Vegetation   |
| ☐ Concrete ☐ Mo                 | uck Other, Explain:                          |   |
| ☐ Concrete ☐ Mo                 | uck Other, Explain: ability. Explain: Stable |   |

| (c) Flow:                               |  |   |                  |  |          |                  |  |
|---|--|---|------------------|--|----------|------------------|--|
| Tributary Provides for:                 | Ephemeral Flow Average Flow Events per year: 2-5 |   |                  |  |          |                  |  |
| Describe Flow Regime:                   | Ephemeral  | Other Information on Duration and Volume: |                  |  |          |                  |  |
| Surface Flow is:                        | Confined   | Characte                                  | Characteristics: |  |          |                  |  |
| Subsurface Flow:                        | No   | Explain:                                  |                  |  |          |                  |  |
| Tributary Has:                          |  |   |                  |  |          |                  |  |
| ☐ Bed and Banks                         |  |   |                  |  |          |                  |  |
| ✓ OHWM: OHWM Inc                        | dicators:  |   |                  |  |          |                  |  |
| $\square$ Clear, natural line i         | mpressed on the banl                             | · □ \                                     | /egetatio        | on matted                                  | down, b  | ent or absent    |  |
| ✓ Changes in soil cha                   | racter   |   | -                | r disturbed                                |          |                  |  |
| ☐ Shelving                              |  |   | resence          | of litter a                                | nd debri | S                |  |
| ☐ Sediment deposition                   | Destruction of terrestrial vegetation            |   |                  |  |          |                  |  |
| Sediment sorting                        |  |   |                  | $\square$ Abrupt change in plant community |          |                  |  |
| ☐ Scour                                 |  |   | Multiple         | observed                                   | or predi | cted flow events |  |
| ☐ Presence of wrack                     | line   | □ <b>\</b>                                | Water sta        | aining                                     |          |                  |  |
| Other (list):                           |  |   |                  |  |          |                  |  |
| ☐ Discontinuous? Ex                     | xplain:  |   |                  |  |          |                  |  |
| (iii) Chemical Characteris              | tics:  |   |                  |  |          |                  |  |
| Characterize Tributai                   | ry:  |   |                  |  |          |                  |  |
| Identify Specific Pollu                 | •  |   |                  |  |          |                  |  |
| , | ,  |   |                  |  |          |                  |  |
|   |  |   |                  |  |          |                  |  |
|   |  |   |                  |  |          |                  |  |
|   |  |   |                  |  |          |                  |  |

| Feature ID: 10   |      |
|--|------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |      |
| Riparian Corridor Characteristics:   |      |
| ☐ Wetland Fringe Characteristics:  |      |
| Habitat for:   |      |
| ☐ Federally Listed Species Explain:  |      |
| ☐ Fish/Spawn Areas Explain:  |      |
| ☐ Other environmentally -sensitive species Explain:  |      |
| ☐ Aquatic/Wildlife diversity Explain:  |      |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                       |      |
| (i) Physical Characteristics:  |      |
| Wetland Size (ac): Wetland Type, Explain:  |      |
| Wetland Quality, Explain:  |      |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |      |
| Wetland Flow is: Explain:  |      |
| Surface Flow is: Characteristics:  |      |
| Subsurface Flow: Explain Findings:   |      |
| ☐ Wetland Directly Abutting Non-TNW  |      |
| ☐ Wetland Not Directly Abutting Non-TNW  |      |
| ☐ Discrete wetland hydrologic connection Explain:  |      |
| ☐ Ecologcal connection Explain:  |      |
| ☐ Separated by berm/barrier Explain:   |      |
| Project Wetlands: River Miles from TNW:  |      |
| Project Wetlands: Aerial Miles from TNW:   |      |
| Flow is From:  |      |
| Approximate Location of Wetland within Floodplain:   |      |
| (ii) Chemical Characteristics:   |      |
| Characterize Wetland System:   |      |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |      |
| ☐ Riparian Buffer Explain:   |      |
| ☐ Vegetation type/percent cover. Explain:  |      |
| Habitat for:   |      |
| ☐ Federally Listed Species Explain:  |      |
| ☐ Fish/Spawn Areas Explain:  |      |
| Other environmentally-sensitive species Explain:   |      |
| ☐ Aquatic/Wildlife Diversity Explain:  |      |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                      |      |
| All wetland(s) considered in cumulative analysis:  |      |
| Wetland acres in total being considered in cumulative analysis:  |      |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical function | ns): |
|  |      |
|  |      |
|  |      |

| Significant nevus findin   | ERMINATION   |
|--|--|
| nto TNW. Explain:  | ngs for non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| This unnamed ephemeral between Powers Butte and discharges, in combination downstream manmade impossibility of a hydrologic critical habitats were iden does not provide lifecycle drainage does not have molological integrity of the | drainage is located more than 100 river miles from the nearest TNW, the Gila River d Gillespie Dam. An analysis of peak yearly discharges and potential flood in with the geomorphology of the Analysis Area, the presence of a significant appoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the connection between this drainage and the TNW is tenuous. No pollutants or tified within the Analysis Area. Additionally, this unnamed ephemeral drainage support functions, nutrients, or organic carbon to species within the TNW. This core than a speculative or insubstantial effect on the physical, chemical, and/or TNW. Therefore, this unnamed ephemeral drainage does not possess a significant in of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findir or indirectly into TNW. Ex   | ngs for non-RPW and its adjacent wetlands, where the non-RPW flows directly eplain:  |
| 3. Significant nexus findir<br>Explain:  | ngs for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| DETERMINATIONS OF HI   | DISDICTIONAL FINIDINGS THE SUBJECT WATERS (WETLANDS ARE  |
| L. TNWs and Adjacent We  | RISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| _  |  |
| <ul><li>TNWs:</li><li>Wetlands adjacent to</li></ul>   | Linear Feet Width (ft), Or, Acres  |
|  |  |
| Reserved for Section III D   |  |
|  | irectly or indirectly into TNWs.   |
| Non-TNW/non-RPW w<br>with a TNW, and is the  | vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.   |
| Length (Linear Feet):  | Width (feet): Acres:   |
| Reserved for Section III D   | 0 4 (Wetlands directly abutting RPWs):   |
|  | 5 (Wetlands adjacent to but not directly abutting RPWs):   |
|  | non-RPWs that flow directly or indirectly into TNWs.   |
| _  | non-RPWs which, in combination with the tributary and other adjacent wetlands,   |
|  | s with the TNW.  |
| has a significant nexu   | s with the TNW. sdictional wetland (in acres):   |
| has a significant nexu   | sdictional wetland (in acres):   |
| has a significant nexuse<br>Estimated size of juris  | sdictional wetland (in acres): sdictional waters.  |
| has a significant nexuse Estimated size of juris  7. Impoundments of juri  Demonstration of Juri   | sdictional wetland (in acres):  sdictional waters.  isdiction:   |
| has a significant nexuse Estimated size of juris  7. Impoundments of juri  Demonstration of Juri   | sdictional wetland (in acres):  sdictional waters.  isdiction:  JDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  |
| has a significant nexusestimated size of juris  7. Impoundments of juri  Demonstration of Juri  SOLATED WATERS, INCLU- HICH COULD AFFECT INTE  Supporting rationale:   | sdictional wetland (in acres): sdictional waters. isdiction:  UDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF ERSTATE COMMERCE   |
| has a significant nexusestimated size of juris  7. Impoundments of juri  Demonstration of Juri  SOLATED WATERS, INCLU- HICH COULD AFFECT INTE  Supporting rationale: Length (linear feet):   | sdictional wetland (in acres): sdictional waters. isdiction:  UDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF SERSTATE COMMERCE  Acres:  |
| has a significant nexusestimated size of juris  7. Impoundments of juri  Demonstration of Juri  SOLATED WATERS, INCLU- HICH COULD AFFECT INTE  Supporting rationale: Length (linear feet):   | sdictional wetland (in acres): sdictional waters. isdiction:  UDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF ERSTATE COMMERCE  Acres: ACRES: ATERS, INCLUDING WETLANDS:   |

| Feature ID: 10   |  |
|--|--|
| As described in Section 3C possess a significant nexus   | 1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW. |
| Explain finding of Other:  |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 4029.20 linear feet (ft), 5.76 width (ft) acres acres  |
| SECTION IV: DATA SOURCES   |  |
| <ul><li>✓ Maps, Plans, Plots or P</li><li>✓ Data Sheets Prepared/</li><li>☐ Office Concurs with</li></ul>  | ncur with delineation<br>by the Corps<br>r Study   |
|  | Map(s) Scale and Quad Name:  |
| Silver Reef Mounta   | ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                         |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Involved</li> <li>□ State/Local Wetland Involved</li> <li>□ FEMA/FIR Maps</li> </ul> |  |
| ☐ 100-year Floodplain El   | evation is: (National Geodetic Vertical Datum of 1929)   |
|  | Name and Date): BING, Microsoft Virtual Earth 2008   |
| ✓ Other Photographs (  | Name and Date): Ground Photos; May 2012  |
| <ul><li>□ Previous Determinatio</li><li>□ Applicable/Supporting</li><li>□ Applicable/Supporting</li></ul>  |  |
| Other Information, Ple   | ase Specify:   |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>     |                         |  |                       |
|---|-------------------|-------------------------|--|-----------------------|
| A. Report Completion Date for App   | roved Jurisdic    | tional Determination:   | 07/30/2012                                 |                       |
| B. District Office and File No: Los   | Angeles Distri    | ct, File No. Pending    |  |                       |
| C. Project Location and Background  | d Information:    | Drainage Feature 1      | .0A  |                       |
| City, County, State Sif Oidak Dis   | trict, Tohono     | O'odham Nation, Pima    | and Pinal Counties,                        | Arizona               |
| Center coordinates of site: Lat.  | 32.5073           | Long111.910             | 0  |                       |
| Name of nearest waterbody: Uni  | named Wash 1      | LOA                     |  |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | V: Gila River     | between Powers Butte    | e and Gillespie Dam                        |                       |
| ✓ Map/Diagram of potential jurise   | dictional area    | is available on request |  |                       |
| D. Review Performed for Site Evalu  | ation:            |                         |  |                       |
| Office Determination. Date:   |                   |                         |  |                       |
| Field Determination. Date: 05/2   | 2012              |                         |  |                       |
| SECTION II: SUMMARY OF FINDING  | GS                |                         |  |                       |
| A. RHA Section 10 Determination   |                   | 1                       |  |                       |
| There Are No "navigable waters  | of the U.S." v    | vithin RHA jurisdiction | in the review area.                        |                       |
| B. CWA Section 404 Determination  | n of Jurisdiction | on                      |  |                       |
| There Are No "waters of the   | ie U.S." within   | CWA jurisdiction in the | e review area.                             |                       |
| 1. Waters of the US:  |                   |                         |  |                       |
| Linear Feet   |                   | Width (ft) and/or       | Acres                                      |                       |
| Limits of Jurisdiction based on:  |                   |                         |  |                       |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa                        |                   | etlands were assessed   | and determined not                         | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a    | significant nexus with  |  |                       |
| SECTION III: CWA ANALYSIS   |                   |                         |  |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs        |                         |  |                       |
| 1. Identified TNW:  |                   |                         |  |                       |
| Rationale for TNW determinat  | ion:              |                         |  |                       |
| 2. Rationale for conclusion tha   | t any wetland     | s present are "adjacen  | t":  |                       |
| B. CHARACTERISTICS OF NON-TN\   | W TRIBUTARY       | AND ITS ADJACENT WE     | TLANDS                                     |                       |
| TNW Watershed Size (sq mi):   | 49650             | Tributaries flow        |  | 4                     |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                | 0.00009<br>8.5    |                         | n tributary to TNW:<br>n tributary to RPW: | 30 (or more)          |
| Average Annual Snowfall (in):   | 0                 |                         | m tributary to TNW:                        | 30 (or more)          |
| 3   |                   |                         | m tributary to RPW:                        |                       |
| ☐ Project waters cross or serv  | e as state bou    | indaries. Explain:      |  |                       |

Feature ID: 10A

| Unnamed drainages of suggests the most like River.    |                       | •                                 |                                    | •           | •      |        |  |
|---|-----------------------|-----------------------------------|------------------------------------|-------------|--------|--------|--|
| Tributary is: Natural                                 |                       | Explain:                          |                                    |             |        |        |  |
| Average Width (ft):                                   | 4.96                  |                                   |                                    |             |        |        |  |
| Average Depth (ft):                                   | 1                     |                                   |                                    |             |        |        |  |
| Average Side Slopes:                                  | 2:1                   |                                   |                                    |             |        |        |  |
| Primary tributary sub                                 | strate                | compositio                        | n (check all t                     | hat apply): |        |        |  |
| ✓ Silts ☐ Sands                                       |                       | compositio<br>Cobbles<br>Other, E | ☐ Bedrocl                          |             | □ Vege | tation |  |
| ✓ Silts □ Sands                                       | i □<br>⁄luck          | Cobbles Other, E                  | ☐ Bedrocl                          |             | □ Vege | tation |  |
| ✓ Silts ☐ Sands                                       | иск<br>Stability      | Cobbles Other, E                  | ☐ Bedrock xplain:  Stable          |             | □ Vege | tation |  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/S | Muck Stability e/Pool | Cobbles Other, E                  | Bedrock xplain: Stable s. Explain: | ∢ ✓ Gravel  | □ Vege | tation |  |

| (c) Flow:                       |                      |  |                                       |             |         |               |  |
|---------------------------------|----------------------|--|---------------------------------------|-------------|---------|---------------|--|
| Tributary Provides for:         | Ephemeral Flow       | Average Flow Events per year:                        |                                       |             | ar:     | 2-5           |  |
| Describe Flow Regime:           | Ephemeral            | Other Inf  | ormatic                               | n on Durat  | ion and | Volume:       |  |
| Surface Flow is:                | Confined             | Characte   | ristics:                              |             |         |               |  |
| Subsurface Flow:                | No                   | Explain:   | Explain:                              |             |         |               |  |
| Tributary Has:                  |                      |  |                                       |             |         |               |  |
| $\square$ Bed and Banks         |                      |  |                                       |             |         |               |  |
| ✓ OHWM: OHWM Inc                | licators:            |  |                                       |             |         |               |  |
| $\square$ Clear, natural line i | mpressed on the bank | : □ <b>ν</b>   | egetati                               | on matted   | down, b | ent or absent |  |
| Changes in soil cha             | racter               |  | eaf litte                             | r disturbed | or wasl | ned away      |  |
| ☐ Shelving                      | □ P                  | resence  | of litter ar                          | nd debri    | S       |               |  |
| ☐ Sediment deposition           | on                   | ✓ [  | Destruction of terrestrial vegetation |             |         |               |  |
| Sediment sorting                |                      | $\square$ Abrupt change in plant community           |                                       |             |         |               |  |
| ☐ Scour                         |                      | $\square$ Multiple observed or predicted flow events |                                       |             |         |               |  |
| ☐ Presence of wrack             | □ V                  | ☐ Water staining                                     |                                       |             |         |               |  |
| Other (list):                   |                      |  |                                       |             |         |               |  |
| ☐ Discontinuous? Ex             | xplain:              |  |                                       |             |         |               |  |
| (iii) Chemical Characteris      | tics:                |  |                                       |             |         |               |  |
| Characterize Tributar           | γ:                   |  |                                       |             |         |               |  |
| Identify Specific Pollu         |                      |  |                                       |             |         |               |  |
| <br>                            |                      |  |                                       |             |         |               |  |
|                                 |                      |  |                                       |             |         |               |  |
|                                 |                      |  |                                       |             |         |               |  |
|                                 |                      |  |                                       |             |         |               |  |

| iv) Biological Characterist   | tics. Channel supports (check all that apply):   |
|---|--|
| ☐ Riparian Corridor(  | Characteristics:   |
| ☐ Wetland Fringe Ch   | paracteristics:  |
| Habitat for:  |  |
| ☐ Federally Listed Spe  | ecies Explain:   |
| ☐ Fish/Spawn Areas  | Explain:   |
| •   | tally -sensitive species Explain:  |
| ☐ Aquatic/Wildlife div  | versity Explain:   |
|   | and a discount of the control of the |
| <ul><li>c. Characteristics of wetla</li><li>(i) Physical Characteristics</li></ul>          | ands adjacent to non-TNW that flow directly or indirectly into TNW ::  |
| Wetland Size (ac):  | Wetland Type, Explain:   |
| Wetland Quality, Expla  | ain:   |
| Project Wetlands Cros   | ss or Serve as State Boundaries, Explain:  |
| Wetland Flow is:  | Explain:   |
| Surface Flow is:  | Characteristics:   |
| Subsurface Flow:  | Explain Findings:  |
| <ul><li>☐ Wetland Directly Al</li><li>☐ Wetland Not Direct</li></ul>                        |  |
|   | d hydrologic connection Explain:   |
| ☐ Ecologcal connec  |  |
| ☐ Separated by be   |  |
| Project Wetlands: Rive  |  |
| Project Wetlands: Aer   |  |
| Flow is From:   |  |
| Approximate Location  | n of Wetland within Floodplain:  |
| ii) Chemical Characteristic   |  |
| Characterize Wetland  |  |
|   |  |
| -   | tics. Wetland supports (check all that apply):   |
| Riparian Buffer E   | ·  |
|   | percent cover. Explain:  |
| Habitat for:  |  |
| ☐ Federally Listed S  |  |
| ☐ Fish/Spawn Area   | ·  |
|   | entally-sensitive species Explain:   |
|   | Diversity Explain:   |
| ☐ Other environme   | , .  |
| ☐ Aquatic/Wildlife  | etlands adjacent to the non-TNW tributary (if any)   |
| ☐ Aquatic/Wildlife  3. Characteristics of all we  |  |
| <ul><li>Aquatic/Wildlife</li><li>Characteristics of all we All wetland(s) conside</li></ul> | etlands adjacent to the non-TNW tributary (if any)   |

| SIGNIFICANT NEXUS DETERMINATION  |
|--|
| I. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly nto TNW. Explain:   |
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River petween Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:   |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  |
| TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  |
| or non-native that how uncerty or manetary meet reversi  |
| □ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  |
| Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  |
| Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):   |
| Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |
| Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  |
| <ul> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.</li></ul>   |
| Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  |

# F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  Data Sheets Prepared/Submitted on behalf of Applicant  Office Concurs with delineation  Office Does Not Concur with delineation  Data Sheets Prepared by the Corps  Corps Navigable Water Study  US Geological Survey Hydrologic Atlas  USGS NHD Data  USGS 8 and 12 digit HUC Map  US Geological Survey Map(s) Scale and Quad Name:  Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  USDA Nat'l Res Conservation Service Soil Survey Citation:  National Wetlands Inventory Maps Cite Map Name:  State/Local Wetland Inventory Maps  FEMA/FIR Maps  100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)  Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008  Other Photographs (Name and Date): Ground Photos; May 2012  Previous Determinations File No. and Date of Response Letter:   | Feature ID: 10A   |                                |                   |              |                                 |  |
|---|---|--------------------------------|-------------------|--------------|---------------------------------|--|
| ✓ Non-wetland waters 509.93 linear feet (ft), 4.96 width (ft)   ○ Other waters acres   Wetlands acres    SECTION IV: DATA SOURCES   ✓ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  ✓ Data Sheets Prepared/Submitted on behalf of Applicant  ○ Office Concurs with delineation  ○ Office Does Not Concur with delineation  ○ Data Sheets Prepared by the Corps  ○ Corps Navigable Water Study  ○ US Geological Survey Hydrologic Atlas  ○ USGS NHD Data  ○ USGS 8 and 12 digit HUC Map  ✓ US Geological Survey Map(s) Scale and Quad Name:  Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  ○ USDA Nat'l Res Conservation Service Soil Survey Citation:  ○ National Wetlands Inventory Maps Cite Map Name:  State/Local Wetland Inventory Maps  FEMA/FIR Maps  ○ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)  ✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008  ✓ Other Photographs (Name and Date): Ground Photos; May 2012  ○ Previous Determinations File No. and Date of Response Letter: |   | •                              |                   | meral draina | ge determined that it did not   |  |
| Other waters  | Explain finding of Other:   |                                |                   |              |                                 |  |
| Wetlands  | ✓ Non-wetland waters  | 509.93                         | linear feet (ft), | 4.96         | width (ft)                      |  |
| SECTION IV: DATA SOURCES  ✓ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant  ○ Office Concurs with delineation  ○ Office Does Not Concur with delineation  ○ Data Sheets Prepared by the Corps  ○ Corps Navigable Water Study  ○ US Geological Survey Hydrologic Atlas  ○ USGS NHD Data  ○ USGS 8 and 12 digit HUC Map  ✓ US Geological Survey Map(s) Scale and Quad Name:  Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  ○ USDA Nat'l Res Conservation Service Soil Survey Citation:  ○ National Wetlands Inventory Maps Cite Map Name:  State/Local Wetland Inventory Maps  ○ EMA/FIR Maps  ○ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)  ✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008  ✓ Other Photographs (Name and Date): Ground Photos; May 2012  ○ Previous Determinations File No. and Date of Response Letter:   | $\square$ Other waters  |                                | acres             |              |                                 |  |
| Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  Data Sheets Prepared/Submitted on behalf of Applicant  Office Concurs with delineation  Office Does Not Concur with delineation  Data Sheets Prepared by the Corps  Corps Navigable Water Study  US Geological Survey Hydrologic Atlas  USGS NHD Data  USGS 8 and 12 digit HUC Map  US Geological Survey Map(s) Scale and Quad Name:  Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  USDA Nat'l Res Conservation Service Soil Survey Citation:  National Wetlands Inventory Maps Cite Map Name:  State/Local Wetland Inventory Maps  FEMA/FIR Maps  100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)  Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008  Other Photographs (Name and Date): Ground Photos; May 2012  Previous Determinations File No. and Date of Response Letter:   | ☐ Wetlands  |                                | acres             |              |                                 |  |
| Data Sheets Prepared/Submitted on behalf of Applicant  ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ☐ US Geological Survey Map(s) Scale and Quad Name: ☐ Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) ☑ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ☑ Other Photographs (Name and Date): Ground Photos; May 2012 ☐ Previous Determinations File No. and Date of Response Letter:   | SECTION IV: DATA SOURCES  |                                |                   |              |                                 |  |
| Data Sheets Prepared/Submitted on behalf of Applicant  ☐ Office Concurs with delineation  ☐ Office Does Not Concur with delineation  ☐ Data Sheets Prepared by the Corps  ☐ Corps Navigable Water Study  ☐ US Geological Survey Hydrologic Atlas  ☐ USGS NHD Data  ☐ USGS 8 and 12 digit HUC Map  ☐ US Geological Survey Map(s) Scale and Quad Name:  ☐ Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  ☐ USDA Nat'l Res Conservation Service Soil Survey Citation:  ☐ National Wetlands Inventory Maps Cite Map Name:  ☐ State/Local Wetland Inventory Maps  ☐ FEMA/FIR Maps  ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)  ☑ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008  ☑ Other Photographs (Name and Date): Ground Photos; May 2012  ☐ Previous Determinations File No. and Date of Response Letter:   | ✓ Maps, Plans, Plots or P   | lat Submitted by               | Applicant/Cor     | sultant: W   | estLand Resources, Inc.         |  |
| <ul> <li>□ Corps Navigable Water Study</li> <li>□ US Geological Survey Hydrologic Atlas</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit HUC Map</li> <li>☑ US Geological Survey Map(s) Scale and Quad Name:         Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> <li>□ USDA Nat'l Res Conservation Service Soil Survey Citation:         National Wetlands Inventory Maps Cite Map Name:         State/Local Wetland Inventory Maps         FEMA/FIR Maps         □ 100-year Floodplain Elevation is:</li></ul>   | <ul><li>Data Sheets Prepared/</li><li>Office Concurs with</li></ul> | Submitted on be<br>delineation | half of Applicant |              | ,                               |  |
| <ul> <li>US Geological Survey Hydrologic Atlas</li> <li>USGS NHD Data</li> <li>USGS 8 and 12 digit HUC Map</li> <li>✓ US Geological Survey Map(s) Scale and Quad Name:         Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> <li>USDA Nat'l Res Conservation Service Soil Survey Citation:         National Wetlands Inventory Maps Cite Map Name:         State/Local Wetland Inventory Maps         FEMA/FIR Maps</li></ul>  | ☐ Data Sheets Prepared  | by the Corps                   |                   |              |                                 |  |
| USGS NHD Data USGS 8 and 12 digit HUC Map  US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  USDA Nat'l Res Conservation Service Soil Survey Citation: National Wetlands Inventory Maps Cite Map Name: State/Local Wetland Inventory Maps FEMA/FIR Maps 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)  ✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008  ✓ Other Photographs (Name and Date): Ground Photos; May 2012 Previous Determinations File No. and Date of Response Letter:  | Corps Navigable Water   | Study                          |                   |              |                                 |  |
| USGS 8 and 12 digit HUC Map  US Geological Survey Map(s) Scale and Quad Name:  Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  USDA Nat'l Res Conservation Service Soil Survey Citation:  National Wetlands Inventory Maps Cite Map Name:  State/Local Wetland Inventory Maps  FEMA/FIR Maps  100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)  Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008  ✓ Other Photographs (Name and Date): Ground Photos; May 2012  Previous Determinations File No. and Date of Response Letter:  | ,   | lydrologic Atlas               |                   |              |                                 |  |
| <ul> <li>✓ US Geological Survey Map(s) Scale and Quad Name:         Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> <li>☐ USDA Nat'l Res Conservation Service Soil Survey Citation:         National Wetlands Inventory Maps Cite Map Name:         State/Local Wetland Inventory Maps         FEMA/FIR Maps</li></ul>   | USGS NHD Data   |                                |                   |              |                                 |  |
| Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  □ USDA Nat'l Res Conservation Service Soil Survey Citation: □ National Wetlands Inventory Maps Cite Map Name: □ State/Local Wetland Inventory Maps □ FEMA/FIR Maps □ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) ☑ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ☑ Other Photographs (Name and Date): Ground Photos; May 2012 □ Previous Determinations File No. and Date of Response Letter:  | ☐ USGS 8 and 12 digi  | t HUC Map                      |                   |              |                                 |  |
| □ USDA Nat'l Res Conservation Service Soil Survey Citation: □ National Wetlands Inventory Maps Cite Map Name: □ State/Local Wetland Inventory Maps □ FEMA/FIR Maps □ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) ☑ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ☑ Other Photographs (Name and Date): Ground Photos; May 2012 □ Previous Determinations File No. and Date of Response Letter:   | US Geological Survey N  | Лар(s) Scale an                | d Quad Name:      |              |                                 |  |
| <ul> <li>National Wetlands Inventory Maps</li></ul>   | Silver Reef Mounta  | ains SE, North Ko              | melik, and Santa  | Rosa Moun    | tains NW 7.5-Minute Quadrangles |  |
| <ul> <li>State/Local Wetland Inventory Maps</li> <li>FEMA/FIR Maps</li> <li>100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)</li> <li>✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008</li> <li>✓ Other Photographs (Name and Date): Ground Photos; May 2012</li> <li>Previous Determinations File No. and Date of Response Letter:</li> </ul>  | ☐ USDA Nat'l Res Conser   | vation Service So              | oil Survey Citat  | ion:         |                                 |  |
| <ul> <li>□ FEMA/FIR Maps</li> <li>□ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)</li> <li>☑ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008</li> <li>☑ Other Photographs (Name and Date): Ground Photos; May 2012</li> <li>□ Previous Determinations File No. and Date of Response Letter:</li> </ul>  | ☐ National Wetlands Inve  | entory Maps                    | Cite Map Name:    |              |                                 |  |
| <ul> <li>□ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)</li> <li>☑ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008</li> <li>☑ Other Photographs (Name and Date): Ground Photos; May 2012</li> <li>□ Previous Determinations File No. and Date of Response Letter:</li> </ul>   | •   | ventory Maps                   |                   |              |                                 |  |
| <ul> <li>✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008</li> <li>✓ Other Photographs (Name and Date): Ground Photos; May 2012</li> <li>✓ Previous Determinations File No. and Date of Response Letter:</li> </ul>   | ·   |                                |                   |              |                                 |  |
| ✓ Other Photographs (Name and Date): Ground Photos; May 2012  □ Previous Determinations File No. and Date of Response Letter:   |   |                                |                   | •            | •                               |  |
| Previous Determinations File No. and Date of Response Letter:   |   |                                |                   |              | th 2008                         |  |
|   | _   | •                              |                   |              |                                 |  |
| Applicable /Comparting Coss lave Citations  |   |                                |                   | se Letter:   |                                 |  |
| <ul><li>□ Applicable/Supporting Case Law Citation:</li><li>□ Applicable/Supporting Scientific Literature Citation:</li></ul>  |   |                                |                   |              |                                 |  |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION  |                           |
|--|---------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                           |
| B. District Office and File No: Los Angeles District, File No. Pending   |                           |
| C. Project Location and Background Information: Drainage Feature 11  |                           |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Countie  | es, Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                           |
| Name of nearest waterbody: Unnamed Wash 11   |                           |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Da   | m                         |
| HUC Code: 15050306   |                           |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                           |
| D. Review Performed for Site Evaluation:   |                           |
| Office Determination. Date:  |                           |
| Field Determination. Date: 05/2012   |                           |
|  |                           |
| SECTION II: SUMMARY OF FINDINGS  |                           |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area  |                           |
|  | ı <b>.</b>                |
| B. CWA Section 404 Determination of Jurisdiction   |                           |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.  |                           |
| 1. Waters of the US:   |                           |
| Linear Feet Width (ft) and/or Acres  |                           |
| Limits of Jurisdiction based on:   |                           |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined r</li></ul>   | not to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this draconsidered jurisdictional if it possessed a significant nexus with a downstream TN not possess a significant nexus with the downstream TNW. | •                         |
| SECTION III: CWA ANALYSIS  |                           |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                           |
| 1. Identified TNW:   |                           |
| Rationale for TNW determination:   |                           |
| 2. Deticated for conductor that an exception de apparent and lie discoutille   |                           |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                           |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                           |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                         |
| Drainage Area (sq mi): 0.00210 River Miles from tributary to TNW   |                           |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNV   |                           |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNV Aerial Miles from tributary to RPV  |                           |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                           |

Feature ID: 11

| •                | ea are ultimately tributary to the Santa Rosa Wash. Topography flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|------------------|---|
| e of potential f |   |
| Explain:         |   |
|                  |   |
|                  |   |
|                  |   |
|                  |   |
| Cobbles $\Box$   | Bedrock ✓ Gravel □ Vegetation   |
| Other, Explai    | 3111.   |
| Explain: Sta     | able  |
| Complexes. Exp   | plain: Not Present  |
| ively Straight   |   |
| ate average slo  | lope): 2%   |
|                  | Complexes. Exively Straight   |

| (c) Flow:                  |  |   |  |             |         |               |  |
|----------------------------|--|---|--|-------------|---------|---------------|--|
| Tributary Provides for:    | Ephemeral Flow   | Average Flow Events per year:             |  |             |         | 2-5           |  |
| Describe Flow Regime:      | Ephemeral  | Other Information on Duration and Volume: |  |             |         |               |  |
| Surface Flow is:           | Confined   | Characte                                  | ristics:                                   |             |         |               |  |
| Subsurface Flow:           | No   | Explain:                                  |  |             |         |               |  |
| Tributary Has:             |  |   |  |             |         |               |  |
| ☐ Bed and Banks            |  |   |  |             |         |               |  |
| ✓ OHWM: OHWM Inc           | dicators:  |   |  |             |         |               |  |
| ☐ Clear, natural line i    | mpressed on the bank   | :   | /egetati                                   | on matted   | down, b | ent or absent |  |
| ✓ Changes in soil cha      | ✓ Changes in soil character                                    |   |  | r disturbed | or was  | hed away      |  |
| ☐ Shelving                 | □ F  | ☐ Presence of litter and debris           |  |             |         |               |  |
| Sediment deposition        | on   | <b>~</b> [                                | Destruction of terrestrial vegetation      |             |         |               |  |
| Sediment sorting           |  |   | $\square$ Abrupt change in plant community |             |         |               |  |
| ☐ Scour                    | <ul> <li>Multiple observed or predicted flow events</li> </ul> |   |  |             |         |               |  |
| ☐ Presence of wrack        | line   | □ <b>\</b>                                | Vater st                                   | aining      |         |               |  |
| Other (list):              |  |   |  |             |         |               |  |
| ☐ Discontinuous? Ex        | rplain:  |   |  |             |         |               |  |
| (iii) Chemical Characteris | tics:  |   |  |             |         |               |  |
| Characterize Tributar      | ry:  |   |  |             |         |               |  |
| Identify Specific Pollu    | utants, if known:  |   |  |             |         |               |  |
|                            |  |   |  |             |         |               |  |
|                            |  |   |  |             |         |               |  |
|                            |  |   |  |             |         |               |  |
|                            |  |   |  |             |         |               |  |

| Feature ID: 11   |  |
|--|--|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |  |
| Riparian Corridor Characteristics:   |  |
| ☐ Wetland Fringe Characteristics:  |  |
| Habitat for:   |  |
| ☐ Federally Listed Species Explain:  |  |
| ☐ Fish/Spawn Areas Explain:  |  |
| ☐ Other environmentally -sensitive species Explain:  |  |
| ☐ Aquatic/Wildlife diversity Explain:  |  |
| 2. Characteristics of westlands adjacent to your TNNA/ short flow directly on indirectly into TNNA/  |  |
| <ol> <li>Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW</li> <li>(i) Physical Characteristics:</li> </ol> |  |
| Wetland Size (ac): Wetland Type, Explain:  |  |
| Wetland Quality, Explain:  |  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |  |
| Wetland Flow is: Explain:  |  |
| Surface Flow is: Characteristics:  |  |
| Subsurface Flow: Explain Findings:   |  |
| ☐ Wetland Directly Abutting Non-TNW  |  |
| ☐ Wetland Not Directly Abutting Non-TNW  |  |
| ☐ Discrete wetland hydrologic connection Explain:  |  |
| ☐ Ecologcal connection Explain:  |  |
| ☐ Separated by berm/barrier Explain:   |  |
| Project Wetlands: River Miles from TNW:  |  |
| Project Wetlands: Aerial Miles from TNW:   |  |
| Flow is From:  |  |
| Approximate Location of Wetland within Floodplain:   |  |
| (ii) Chemical Characteristics:   |  |
| Characterize Wetland System:   |  |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |  |
| ☐ Riparian Buffer Explain:   |  |
| ☐ Vegetation type/percent cover. Explain:  |  |
| Habitat for:   |  |
| Federally Listed Species Explain:  |  |
| ☐ Fish/Spawn Areas Explain:  |  |
| Other environmentally-sensitive species Explain:   |  |
| Aquatic/Wildlife Diversity Explain:  |  |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |  |
| All wetland(s) considered in cumulative analysis:  |  |
| Wetland acres in total being considered in cumulative analysis:  |  |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions):                                |  |
|  |  |
|  |  |

| SIGNIFICANT NEXUS DETERM  | IINATION   |
|---|--|
| 1. Significant nexus findings into TNW. Explain:  | or non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and G<br>discharges, in combination w<br>downstream manmade impo<br>possibility of a hydrologic cor<br>critical habitats were identified<br>does not provide lifecycle sup<br>drainage does not have more<br>biological integrity of the TNV | inage is located more than 100 river miles from the nearest TNW, the Gila River illespie Dam. An analysis of peak yearly discharges and potential flood th the geomorphology of the Analysis Area, the presence of a significant undment (Tat Momolikot Dam), and the distance to the TNW, suggests that the nection between this drainage and the TNW is tenuous. No pollutants or ad within the Analysis Area. Additionally, this unnamed ephemeral drainage port functions, nutrients, or organic carbon to species within the TNW. This than a speculative or insubstantial effect on the physical, chemical, and/or V. Therefore, this unnamed ephemeral drainage does not possess a significant the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings or indirectly into TNW. Expla   | for non-RPW and its adjacent wetlands, where the non-RPW flows directly in:  |
| 3. Significant nexus findings Explain:  | for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
|   |  |
|   | DICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| 1. TNWs and Adjacent Wetla  |  |
|   | ear Feet Width (ft), Or, Acres   |
| Wetlands adjacent to TN   |  |
| Reserved for Section III D 2 (F   | PWs):  |
| 3. Non-RPWs that flow direct  | tly or indirectly into TNWs.   |
| with a TNW, and is therfo   | -  |
| Length (Linear Feet):   | Width (feet): Acres:   |
| Reserved for Section III D 4 (  | Wetlands directly abutting RPWs):  |
| Reserved for Section III D 5 (  | Wetlands adjacent to but not directly abutting RPWs):  |
| 6. Wetlands adjacent to nor   | -RPWs that flow directly or indirectly into TNWs.  |
| has a significant nexus w   |  |
| Estimated size of jurisdic  | ,  |
| 7. Impoundments of jurisdic   |  |
| Demonstration of Jurisdi  | ction:   |
| ISOLATED WATERS, INCLUDI  | NG ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF TATE COMMERCE   |
|   |  |
| Supporting rationale: Length (linear feet):   | Acres:   |
| rengin umeat teett.   | ALIES!   |

#### F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 11   |                                    |
|--|------------------------------------|
| As described in Section 3C1 above, an analysis of this ephemeral drains possess a significant nexus with the nearest TNW.  | age determined that it did not     |
| Explain finding of Other:  |                                    |
| ✓ Non-wetland waters  ☐ Other waters  ☐ Wetlands  8599.83 linear feet (ft), acres acres  | width (ft)                         |
| SECTION IV: DATA SOURCES   |                                    |
| <ul> <li>✓ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant:</li> <li>✓ Data Sheets Prepared/Submitted on behalf of Applicant</li> <li>☐ Office Concurs with delineation</li> <li>☐ Office Does Not Concur with delineation</li> </ul> | VestLand Resources, Inc.           |
| <ul> <li>□ Data Sheets Prepared by the Corps</li> <li>□ Corps Navigable Water Study</li> <li>□ US Geological Survey Hydrologic Atlas</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit HUC Map</li> </ul>                                    |                                    |
| ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mour  | ntains NW 7.5-Minute Quadrangles   |
| □ USDA Nat'l Res Conservation Service Soil Survey Citation: □ National Wetlands Inventory Maps Cite Map Name: □ State/Local Wetland Inventory Maps □ FEMA/FIR Maps   |                                    |
|  | l Geodetic Vertical Datum of 1929) |
| Aerial Photographs (Name and Date): BING, Microsoft Virtual Ea   |                                    |
| <ul> <li>Other Photographs (Name and Date): Ground Photos; May 2012</li> <li>Previous Determinations File No. and Date of Response Letter:</li> </ul>  |                                    |
| ☐ Applicable/Supporting Case Law Citation:   |                                    |
| ☐ Applicable/Supporting Scientific Literature Citation:  |                                    |
| Other Information, Please Specify:   |                                    |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM   | MATION          |  |             |                       |
|--|-----------------|--|-------------|-----------------------|
| A. Report Completion Date for App  | oroved Jurisdic | tional Determination: 07/30/2  | 012         |                       |
| B. District Office and File No: Los  |                 |  |             |                       |
| C. Project Location and Background   | d Information:  | Drainage Feature 11A   |             |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono  | O'odham Nation, Pima and Pinal   | Counties, A | Arizona               |
| Center coordinates of site: Lat.   | 32.5073         | Long111.9100   |             |                       |
| Name of nearest waterbody: Un  | named Wash 1    | I1A  |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                     | W: Gila River   | between Powers Butte and Gilles  | spie Dam    |                       |
| ✓ Map/Diagram of potential juris   | dictional area  | is available on request  |             |                       |
| D. Review Performed for Site Evalu   |                 | •  |             |                       |
| Office Determination. Date:  | iation.         |  |             |                       |
| Field Determination. Date: 05/3  | 2012            |  |             |                       |
|  |                 |  |             |                       |
| SECTION II: SUMMARY OF FINDING   |                 |  |             |                       |
| A. RHA Section 10 Determination  |                 |  |             |                       |
| _  |                 | vithin RHA jurisdiction in the revi  | ew area.    |                       |
| B. CWA Section 404 Determination   |                 |  |             |                       |
|  | ne U.S." within | CWA jurisdiction in the review a   | rea.        |                       |
| 1. Waters of the US:   |                 |  |             |                       |
| Linear Feet  |                 | Width (ft) and/or  | Acres       |                       |
| Limits of Jurisdiction based on:   |                 |  |             |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional water</li> </ol> |                 | etlands were assessed and deter  | mined not   | to be jurisdictional: |
|  | it possessed a  | ify as a TNW or RPW. Therefore,<br>significant nexus with a downstr<br>downstream TNW. |             |                       |
| SECTION III: CWA ANALYSIS  |                 |  |             |                       |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs     |  |             |                       |
| 1. Identified TNW:   |                 |  |             |                       |
| Rationale for TNW determinat   | tion:           |  |             |                       |
| 2. Rationale for conclusion tha  | nt any wetland  | s present are "adjacent":  |             |                       |
| B. CHARACTERISTICS OF NON-TN   | W TRIBUTARY     | AND ITS ADJACENT WETLANDS  |             |                       |
| TNW Watershed Size (sq mi):  | 49650           | Tributaries flow to TNW:   |             | 4                     |
| Drainage Area (sq mi):   | 0.00007         | River Miles from tributary   | to TNW:     | 30 (or more)          |
| Average Annual Rainfall (in):  | 8.5             | River Miles from tributary   |             |                       |
| Average Annual Snowfall (in):  | 0               | Aerial Miles from tributary<br>Aerial Miles from tributary                             |             | 30 (or more)          |
| ☐ Project waters cross or serv   | ve as state bou |  |             |                       |

Feature ID: 11A

| Identify flow route to  | TNW:                  |  |
|---|-----------------------|--|
|   | •                     | rea are ultimately tributary to the Santa Rosa Wash. Topography I flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural   | Explain:              |  |
| Average Width (ft):   | 4.68                  |  |
| Average Depth (ft):   | 1                     |  |
| Average Side Slopes:  | 2:1                   |  |
| ☐ Concrete ☐ M  Tributary Condition/S  Presence of Run/Riffle | tability. Explain: St | table Explain: Not Present   |
| Tributary Geometry:   | Relatively Straight   |  |
| Tributary Gradient (ap  | oproximate average    | slope): 2%   |
|   |                       |  |
|   |                       |  |
| Flow:   | Enhancer Elem         | Average Flow Events per year: 2-5  |

| iributary Provides for:         | Ephemeral Flow       | Average Flow Events per year: 2-5                              |
|---------------------------------|----------------------|--|
| Describe Flow Regime:           | Ephemeral            | Other Information on Duration and Volume:                      |
| Surface Flow is:                | Confined             | Characteristics:   |
| Subsurface Flow:                | No                   | Explain:   |
| Tributary Has:                  |                      |  |
| ☐ Bed and Banks                 |                      |  |
| ✓ OHWM: OHWM Inc                | dicators:            |  |
| $\square$ Clear, natural line i | mpressed on the bank | nk $\square$ Vegetation matted down, bent or absent            |
| Changes in soil cha             | racter               | $\square$ Leaf litter disturbed or washed away                 |
| ☐ Shelving                      |                      | $\square$ Presence of litter and debris                        |
| ☐ Sediment deposition           | on                   | Destruction of terrestrial vegetation                          |
| Sediment sorting                |                      | $\square$ Abrupt change in plant community                     |
| ☐ Scour                         |                      | <ul> <li>Multiple observed or predicted flow events</li> </ul> |
| ☐ Presence of wrack             | line                 | ☐ Water staining   |
| Other (list):                   |                      |  |
| ☐ Discontinuous? Ex             | xplain:              |  |
| (iii) Chemical Characteris      | tics:                |  |
| Characterize Tributar           | ry:                  |  |
| Identify Specific Pollu         | utants, if known:    |  |
|                                 |                      |  |
|                                 |                      |  |
|                                 |                      |  |
|                                 |                      |  |
|                                 |                      |  |

| Feature ID: 11A  |  |
|--|--|
| (iv) Biological Characteristics. Channel   | supports (check all that apply):                       |
| Riparian Corridor Characteristic   | cs:  |
| ☐ Wetland Fringe Characteristics:  |  |
| Habitat for:   |  |
| ☐ Federally Listed Species Explai  | n:   |
| ☐ Fish/Spawn Areas Explai  | n:   |
| $\square$ Other environmentally -sensitiv  | e species Explain:                                     |
| ☐ Aquatic/Wildlife diversity Expl  | ain:   |
| 2. Characteristics of wetlands adjacen   | t to non-TNW that flow directly or indirectly into TNW |
| (i) Physical Characteristics:  | to non-river under non-underly or municiply mile river |
| Wetland Size (ac):   | Wetland Type, Explain:                                 |
| Wetland Quality, Explain:  |  |
| Project Wetlands Cross or Serve as   | State Boundaries, Explain:                             |
| Wetland Flow is:   | Explain:   |
| Surface Flow is:   | Characteristics:                                       |
| Subsurface Flow:   | Explain Findings:                                      |
| ☐ Wetland Not Directly Abutting N ☐ Discrete wetland hydrologic of ☐ Ecological connection Explait ☐ Separated by berm/barrier E Project Wetlands: River Miles from Project Wetlands: Aerial Miles from Flow is From: ☐ Approximate Location of Wetland  (ii) Chemical Characteristics: Characterize Wetland System: | connection Explain: n: explain: n TNW: m TNW:          |
| (iii) Biological Characteristics. Wetland  | supports (check all that apply):                       |
| <ul> <li>□ Riparian Buffer Explain:</li> <li>□ Vegetation type/percent cover</li> <li>Habitat for:</li> <li>□ Federally Listed Species Exp</li> <li>□ Fish/Spawn Areas Explain:</li> <li>□ Other environmentally-sensit</li> <li>□ Aquatic/Wildlife Diversity Explain:</li> </ul>                                    | lain: ive species Explain:                             |
| 3. Characteristics of all wetlands adjacent  | cent to the non-TNW tributary (if any)                 |
| All wetland(s) considered in cumul<br>Wetland acres in total being consid  | ative analysis:  |

| . SIGNIFICANT NEXUS DETERMINATION  | N  |
|--|--|
| 1. Significant nexus findings for non-Finto TNW. Explain:  | RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gillespie Didischarges, in combination with the godownstream manmade impoundment possibility of a hydrologic connection critical habitats were identified within does not provide lifecycle support fundrainage does not have more than a subiological integrity of the TNW. There  | ocated more than 100 river miles from the nearest TNW, the Gila River Dam. An analysis of peak yearly discharges and potential flood comorphology of the Analysis Area, the presence of a significant (Tat Momolikot Dam), and the distance to the TNW, suggests that the between this drainage and the TNW is tenuous. No pollutants or the Analysis Area. Additionally, this unnamed ephemeral drainage ctions, nutrients, or organic carbon to species within the TNW. This peculative or insubstantial effect on the physical, chemical, and/or fore, this unnamed ephemeral drainage does not possess a significant River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for non-for indirectly into TNW. Explain:  | RPW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for wetla<br>Explain:  | ands adjacent to an RPW but that do not directly abut the RPW.   |
| DETERMINATIONS OF JURISDICTIONAL   | AL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| . DETERMINATIONS OF JURISDICTIONA  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  | AL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  Width (ft), Or,  Acres  Acres  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):   | Width (ft), Or, Acres Acres  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete in the section of the sec | Width (ft), Or,  Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or inc  Non-TNW/non-RPW waterbody the with a TNW, and is therfore jurisdict Length (Linear Feet):  Reserved for Section III D 4 (Wetland)   | Width (ft), Or,  Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  s directly abutting RPWs):  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete in the section of the sec | Width (ft), Or, Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet): Acres:  s directly abutting RPWs):  s adjacent to but not directly abutting RPWs):  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete in the section of the sec | Width (ft), Or, Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet): Acres:  s directly abutting RPWs):  s adjacent to but not directly abutting RPWs):  that flow directly or indirectly into TNWs.   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete in the section of the sec | Width (ft), Or,  Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  s directly abutting RPWs):  s adjacent to but not directly abutting RPWs):  that flow directly or indirectly into TNWs.  which, in combination with the tributary and other adjacent wetlands, NW.  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or inc.  Non-TNW/non-RPW waterbody the with a TNW, and is therfore jurisdictional Length (Linear Feet):  Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland 6. Wetlands adjacent to non-RPWs we has a significant nexus with the TRESTIMATED STATES ADJACENT CONTROL OF THE SESTIMATED | Width (ft), Or,  Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  s directly abutting RPWs):  s adjacent to but not directly abutting RPWs):  that flow directly or indirectly into TNWs.  which, in combination with the tributary and other adjacent wetlands, NW.  etland (in acres):  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete in the section of the sec | Width (ft), Or,  Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  s directly abutting RPWs):  s adjacent to but not directly abutting RPWs):  that flow directly or indirectly into TNWs.  which, in combination with the tributary and other adjacent wetlands, NW.  etland (in acres):  |

#### F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 11A   |  |                     |                            |           |
|---|--|---------------------|----------------------------|-----------|
| As described in Section 3C possess a significant nexus  | •  | is ephemeral draina | age determined that it dic | Inot      |
| Explain finding of Other:   |  |                     |                            |           |
| <ul><li>Non-wetland waters</li><li>Other waters</li><li>Wetlands</li></ul>  | 428.15 linear fee<br>acres<br>acres            | et (ft), 4.68       | width (ft)                 |           |
| SECTION IV: DATA SOURCES  |  |                     |                            |           |
| <ul><li>✓ Maps, Plans, Plots or P</li><li>✓ Data Sheets Prepared/</li><li>☐ Office Concurs with</li><li>☐ Office Does Not Concurs</li></ul> | ubmitted on behalf of Ap                       |                     | /estLand Resources, Inc.   |           |
| <ul><li>□ Data Sheets Prepared I</li><li>□ Corps Navigable Water</li><li>□ US Geological Survey H</li><li>□ USGS NHD Data</li></ul>         | Study<br>/drologic Atlas                       |                     |                            |           |
| <ul><li>USGS 8 and 12 digi</li><li>✓ US Geological Survey N</li><li>Silver Reef Mounta</li></ul>  | ap(s) Scale and Quad N                         |                     | ntains NW 7.5-Minute Qua   | adrangles |
| ☐ USDA Nat'l Res Conser ☐ National Wetlands Inve ☐ State/Local Wetland In ☐ FEMA/FIR Maps   |  |                     |                            |           |
| 100-year Floodplain Ele   | vation is: ame and Date): BING, N              | •                   | l Geodetic Vertical Datum  | of 1929)  |
| ✓ Other Photographs (N  | ame and Date): Ground s File No. and Date of F | Photos; May 2012    |                            |           |
| ☐ Applicable/Supporting   |  | •                   |                            |           |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>MATION</u>     |  |                  |                            |
|---|-------------------|--|------------------|----------------------------|
| A. Report Completion Date for App   | oroved Jurisdic   | tional Determination:                  | 07/30/2012       |                            |
| B. District Office and File No: Los   |                   |  |                  |                            |
| C. Project Location and Background  | d Information:    | Drainage Feature 11                    | lB               |                            |
| City, County, State Sif Oidak Dis   | strict, Tohono    | O'odham Nation, Pima                   | and Pinal Cour   | nties, Arizona             |
| Center coordinates of site: Lat.  | 32.5073           | Long111.9100                           | )                |                            |
| Name of nearest waterbody: Un   | named Wash 1      | 1B                                     |                  |                            |
| Name of nearest downstream TNV  | N: Gila River     | between Powers Butte                   | and Gillespie [  | Dam                        |
| HUC Code: 15050306  |                   |  |                  |                            |
| ✓ Map/Diagram of potential juris  | dictional area i  | is available on request                |                  |                            |
| D. Review Performed for Site Evalu  | iation:           |  |                  |                            |
| Office Determination. Date:   |                   |  |                  |                            |
| Field Determination. Date: 05/2   | 2012              |  |                  |                            |
| SECTION II: SUMMARY OF FINDING  | GS                |  |                  |                            |
| A. RHA Section 10 Determination   |                   |  |                  |                            |
| There Are No "navigable waters  |                   |  | n the review ar  | œa.                        |
| B. CWA Section 404 Determination  | n of lurisdiction | nn                                     |                  |                            |
|   |                   | CWA jurisdiction in the                | review area.     |                            |
| 1. Waters of the US:  |                   | •                                      |                  |                            |
| Linear Feet   |                   | Width (ft) and/or                      | Acr              | es                         |
| Limits of Jurisdiction based on:  |                   |  |                  |                            |
| 2. Non-Regulated Waters/Wet   | lands:            |  |                  |                            |
| ✓ Potentially jurisdictional wa   |                   | etlands were assessed a                | and determine    | d not to be jurisdictional |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a    | significant nexus with a               | •                | ,                          |
| SECTION III: CWA ANALYSIS   |                   |  |                  |                            |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs       |  |                  |                            |
| 1. Identified TNW:  |                   |  |                  |                            |
| Rationale for TNW determinat  | tion:             |  |                  |                            |
| 2. Rationale for conclusion tha   | nt any wetland:   | s present are "adjacent'               | ":               |                            |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY       | AND ITS ADJACENT WE                    | TLANDS           |                            |
| TNW Watershed Size (sq mi):   | 49650             | Tributaries flow                       | to TNW:          | 4                          |
| Drainage Area (sq mi):  | 0.00026           | River Miles from                       | tributary to TI  | NW: 30 (or more)           |
| Average Annual Rainfall (in):   | 8.5               | River Miles from                       | tributary to R   | PW:                        |
| Average Annual Snowfall (in):   | 0                 | Aerial Miles from<br>Aerial Miles from | •                |                            |
| ☐ Project waters cross or serv  | ve as state bou   |  | i tributary to r | AI VV.                     |

Feature ID: 11B

| eature ID: 11B                 |                            |  |             |
|--------------------------------|----------------------------|--|-------------|
| Identify flow route to         | TNW:                       |  |             |
| •                              | •                          | area are ultimately tributary to the Sal flow is Santa Rosa Wash to the Sa |             |
| Tributary is: Natural          | Explain:                   |  |             |
| Average Width (ft):            | 4.82                       |  |             |
| Average Depth (ft):            | 1                          |  |             |
| Average Side Slopes:           | 2:1                        |  |             |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M | ☐ Cobbles  Tuck Other, Exp | ☐ Bedrock ☑ Gravel ☐ Veg   | etation     |
| Tributary Condition/S          | tability. Explain:         | table  |             |
| Presence of Run/Riffle         |                            | Explain: Not Present   |             |
| Tributary Geometry:            | Relatively Straigh         | t  |             |
| Tributary Gradient (a)         | oproximate average         | slope): 2%   |             |
|                                |                            |  |             |
| Flow:                          |                            |  |             |
| ributary Provides for:         | Ephemeral Flow             | Average Flow Events per year:  | 2-5         |
| escribe Flow Regime:           | Ephemeral                  | Other Information on Duration  | and Volume: |

| Describe Flow Regime:           | Ephemeral            | Other Inf | formation on Dura    | tion and Volume:         |  |
|---------------------------------|----------------------|-----------|----------------------|--------------------------|--|
| Surface Flow is:                | Confined             | Characte  | eristics:            |                          |  |
| Subsurface Flow:                | No                   | Explain:  |                      |                          |  |
| Tributary Has:                  |                      |           |                      |                          |  |
| $\square$ Bed and Banks         |                      |           |                      |                          |  |
| ✓ OHWM: OHWM Ind                | licators:            |           |                      |                          |  |
| $\square$ Clear, natural line i | mpressed on the bank | \         | egetation matted     | l down, bent or absent   |  |
| Changes in soil cha             | racter               |           | eaf litter disturbe  | d or washed away         |  |
| ☐ Shelving                      |                      | □ F       | Presence of litter a | and debris               |  |
| Sediment deposition             | on                   | ✓ [       | Destruction of terr  | estrial vegetation       |  |
| Sediment sorting                |                      |           | Abrupt change in p   | lant community           |  |
| ☐ Scour                         |                      |           | Multiple observed    | or predicted flow events |  |
| ☐ Presence of wrack             | line                 | □ \       | Water staining       |                          |  |
| Other (list):                   |                      |           |                      |                          |  |
| ☐ Discontinuous? Ex             | plain:               |           |                      |                          |  |
| (iii) Chemical Characteris      | tics:                |           |                      |                          |  |
| Characterize Tributar           | ry:                  |           |                      |                          |  |
| Identify Specific Pollu         | itants, if known:    |           |                      |                          |  |
|                                 |                      |           |                      |                          |  |
|                                 |                      |           |                      |                          |  |
|                                 |                      |           |                      |                          |  |
|                                 |                      |           |                      |                          |  |

| v) biological characteristics                               | s. Channel supports (check all that apply):                      |
|---|--|
| Riparian Corridor Cha                                       |  |
| ☐ Wetland Fringe Chara                                      | acteristics:   |
| Habitat for:  |  |
| ☐ Federally Listed Specie                                   | ·  |
| Fish/Spawn Areas  | Explain:   |
| Other environmentall  |  |
| Aquatic/Wildlife diver                                      | rsity Explain:   |
| . Characteristics of wetland                                | ds adjacent to non-TNW that flow directly or indirectly into TNW |
| ) Physical Characteristics:                                 |  |
| Wetland Size (ac):  | Wetland Type, Explain:   |
| Wetland Quality, Explain                                    | 1:   |
| •   | or Serve as State Boundaries, Explain:                           |
| Wetland Flow is:  | Explain:   |
| Surface Flow is:  | Characteristics:   |
| Subsurface Flow:  | Explain Findings:  |
| $\square$ Wetland Directly Abut                             | tting Non-TNW  |
| ☐ Wetland Not Directly                                      | Abutting Non-TNW   |
| ☐ Discrete wetland h  | ydrologic connection Explain:                                    |
| Ecological connection                                       | on Explain:  |
| $\square$ Separated by berm                                 | /barrier Explain:  |
| Project Wetlands: River                                     | Miles from TNW:  |
| Project Wetlands: Aerial                                    | Miles from TNW:  |
| Flow is From:   |  |
| Approximate Location of                                     | f Wetland within Floodplain:                                     |
| i) Chemical Characteristics:                                |  |
| Characterize Wetland Sy                                     | vstem:   |
| ii) Biological Characteristics                              | s. Wetland supports (check all that apply):                      |
| Riparian Buffer Exp   | lain:  |
| ☐ Vegetation type/per                                       |  |
| Habitat for:  |  |
| ☐ Federally Listed Spe                                      | ecies Explain:   |
| ☐ Fish/Spawn Areas  | Explain:   |
| $\square$ Other environment                                 | tally-sensitive species Explain:                                 |
| ☐ Aquatic/Wildlife Di                                       | versity Explain:   |
| - Aquatic, Wilaine Di                                       | ands adjacent to the non-TNW tributary (if any)                  |
| •   |  |
| . Characteristics of all wetl                               |  |
| . Characteristics of all wetle<br>All wetland(s) considered |  |

| . SIGNIFICANT NEXUS DETERMINATIO   | DN .  |
|--|---|
| 1. Significant nexus findings for non-<br>into TNW. Explain:   | -RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gillespie discharges, in combination with the good downstream manmade impoundment possibility of a hydrologic connection critical habitats were identified within does not provide lifecycle support fur drainage does not have more than a biological integrity of the TNW. There  | Dam. An analysis of peak yearly discharges and potential flood geomorphology of the Analysis Area, the presence of a significant at (Tat Momolikot Dam), and the distance to the TNW, suggests that the between this drainage and the TNW is tenuous. No pollutants or an the Analysis Area. Additionally, this unnamed ephemeral drainage nctions, nutrients, or organic carbon to species within the TNW. This speculative or insubstantial effect on the physical, chemical, and/or efore, this unnamed ephemeral drainage does not possess a significant a River between Powers Butte and Gillespie Dam.  |
| 2. Significant nexus findings for non-<br>or indirectly into TNW. Explain:   | -RPW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for wetle<br>Explain:  | lands adjacent to an RPW but that do not directly abut the RPW.   |
|  |   |
|  | IAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
|  | IAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| . DETERMINATIONS OF JURISDICTION   |   |
| . DETERMINATIONS OF JURISDICTION  1. TNWs and Adjacent Wetlands  |   |
| . DETERMINATIONS OF JURISDICTION  1. TNWs and Adjacent Wetlands  TNWs: Linear Fee  | et Width (ft), Or, Acres  |
| . DETERMINATIONS OF JURISDICTION  1. TNWs and Adjacent Wetlands  TNWs: Linear Fee  Wetlands adjacent to TNWs:  | et Width (ft), Or, Acres  |
| . DETERMINATIONS OF JURISDICTION  1. TNWs and Adjacent Wetlands  TNWs: Linear Fee  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in  | Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres   |
| . DETERMINATIONS OF JURISDICTION  1. TNWs and Adjacent Wetlands  TNWs: Linear Fee  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in  Non-TNW/non-RPW waterbody t   | Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  |
| . DETERMINATIONS OF JURISDICTION  1. TNWs and Adjacent Wetlands  TNWs: Linear Fee  Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in  Non-TNW/non-RPW waterbody t with a TNW, and is therfore jurisce  | Acres  Acres  Addirectly into TNWs.  Chat flows directly or indirectly into a TNW and has a signficant nexus dictional.  Width (feet):  Acres:  |
| . DETERMINATIONS OF JURISDICTION  1. TNWs and Adjacent Wetlands  TNWs:  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in  Non-TNW/non-RPW waterbody t with a TNW, and is therfore jurisd Length (Linear Feet):  Reserved for Section III D 4 (Wetland  | Acres  Acres  Addirectly into TNWs.  Chat flows directly or indirectly into a TNW and has a signficant nexus dictional.  Width (feet):  Acres:  |
| . DETERMINATIONS OF JURISDICTION  1. TNWs and Adjacent Wetlands  TNWs:  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in  Non-TNW/non-RPW waterbody t with a TNW, and is therfore juriso Length (Linear Feet):  Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetlan | Acres  Acres  Addirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus dictional.  Width (feet):  Acres:  ds directly abutting RPWs):   |
| . DETERMINATIONS OF JURISDICTION  1. TNWs and Adjacent Wetlands  TNWs: Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in With a TNW, and is therfore jurisd Length (Linear Feet): Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland 6. Wetlands adjacent to non-RPWs   | Acres  Acres:  |
| . DETERMINATIONS OF JURISDICTION  1. TNWs and Adjacent Wetlands  TNWs: Linear Fee  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in  Non-TNW/non-RPW waterbody t with a TNW, and is therfore juriso Length (Linear Feet):  Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland 6. Wetlands adjacent to non-RPWs  | Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres:  Condirectly into TNWs.  Condirectly or indirectly into a TNW and has a significant nexus dictional.  Width (feet):  Acres:  Condirectly abutting RPWs):  Acres:  Acres:  Condirectly abutting RPWs):  Acres:  Acres:  Condirectly abutting RPWs):  Acres:  Condirectly abutting RPWs):  Acres:  Acres:  Condirectly abutting RPWs):  Acres:  |
| . DETERMINATIONS OF JURISDICTION  1. TNWs and Adjacent Wetlands  TNWs:  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in  Non-TNW/non-RPW waterbody t with a TNW, and is therfore jurison Length (Linear Feet):  Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland 6. Wetlands adjacent to non-RPWs has a significant nexus with the T   | Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres:  Acres: |

Supporting rationale:

Length (linear feet): Acres:

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Other Information, Please Specify:

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM                                 | MATION           |   |                                       |                       |
|--|------------------|---|---------------------------------------|-----------------------|
| A. Report Completion Date for App                            | oroved Jurisdic  | ctional Determination: 07/30/2  | 012                                   |                       |
| B. District Office and File No: Los                          |                  |   |                                       |                       |
| C. Project Location and Background                           | d Information:   | Drainage Feature 11C  |                                       |                       |
| City, County, State Sif Oidak Dis                            | strict, Tohono   | O'odham Nation, Pima and Pinal  | Counties, A                           | Arizona               |
| Center coordinates of site: Lat.                             | 32.5073          | Long111.9100  |                                       |                       |
| Name of nearest waterbody: Un                                | named Wash :     | 11C   |                                       |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306         | W: Gila River    | between Powers Butte and Gilles   | spie Dam                              |                       |
| ✓ Map/Diagram of potential juris                             | dictional area   | is available on request   |                                       |                       |
| D. Review Performed for Site Evalu                           |                  |   |                                       |                       |
| Office Determination. Date:                                  | iation.          |   |                                       |                       |
| Field Determination. Date: 05/3                              | 2012             |   |                                       |                       |
| riela Determination. Date. 03/1                              | 2012             |   |                                       |                       |
| SECTION II: SUMMARY OF FINDIN                                | <u>GS</u>        |   |                                       |                       |
| A. RHA Section 10 Determination                              |                  |   |                                       |                       |
| There Are No "navigable waters                               | s of the U.S." v | within RHA jurisdiction in the revi   | ew area.                              |                       |
| B. CWA Section 404 Determination                             |                  |   |                                       |                       |
|  | ne U.S." within  | CWA jurisdiction in the review a  | rea.                                  |                       |
| 1. Waters of the US:   |                  |   |                                       |                       |
| Linear Feet  |                  | Width (ft) and/or   | Acres                                 |                       |
| Limits of Jurisdiction based on:                             |                  |   |                                       |                       |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa |                  | retlands were assessed and deter  | mined not                             | to be jurisdictional: |
|  | it possessed a   | lify as a TNW or RPW. Therefore,<br>significant nexus with a downstr<br>downstream TNW. |                                       |                       |
| SECTION III: CWA ANALYSIS                                    |                  |   |                                       |                       |
| A. TNWs AND WETLANDS ADJACE                                  | ENT TO TNWs      |   |                                       |                       |
| 1. Identified TNW:   |                  |   |                                       |                       |
| Rationale for TNW determinat                                 | tion:            |   |                                       |                       |
| 2. Dationale for conductor the                               |                  | la musaant ana lladiaaantll.  |                                       |                       |
| 2. Rationale for conclusion tha                              | it any wetiand   | is present are "adjacent":  |                                       |                       |
| B. CHARACTERISTICS OF NON-TN                                 | W TRIBUTARY      | AND ITS ADJACENT WETLANDS   |                                       |                       |
| TNW Watershed Size (sq mi):                                  | 49650            | Tributaries flow to TNW:  |                                       | 4                     |
| Drainage Area (sq mi):                                       | 0.00032          | River Miles from tributary  |                                       | 30 (or more)          |
| Average Annual Rainfall (in):                                | 8.5              | River Miles from tributary<br>Aerial Miles from tributary                               |                                       | 20 (or mara)          |
| Average Annual Snowfall (in):                                | 0                | Aerial Miles from tributary   |                                       | 30 (or more)          |
| ☐ Project waters cross or serv                               | ve as state bou  |   | · · · · · · · · · · · · · · · · · · · |                       |

Feature ID: 11C

| Fributary is: Natural                         | Explain:                |             |
|---|-------------------------|-------------|
| Average Width (ft): 5.5                       | 66                      |             |
| Average Depth (ft): 1                         |                         |             |
| Average Side Slopes: 2:1                      |                         |             |
| ☐ Concrete ☐ Mucl<br>Fributary Condition/Stab | , ,                     |             |
| Presence of Run/Riffle/P                      | ool Complexes. Explain: | Not Present |
| ributary Geometry: F                          | Relatively Straight     |             |
| Frihutary Gradient Janny                      | oximate average slope): | 2%          |

| (c) Flow:                  |  |                                  |   |             |           |                  |  |
|----------------------------|--|----------------------------------|---|-------------|-----------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow                             | Average Flow Events per year:    |   |             | 2-5       |                  |  |
| Describe Flow Regime:      | Ephemeral                                  | Other Inf                        | Other Information on Duration and Volume: |             |           |                  |  |
| Surface Flow is:           | Confined                                   | Characte                         | ristics:                                  |             |           |                  |  |
| Subsurface Flow:           | No   | Explain:                         |   |             |           |                  |  |
| Tributary Has:             |  |                                  |   |             |           |                  |  |
| ☐ Bed and Banks            |  |                                  |   |             |           |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:                                  |                                  |   |             |           |                  |  |
| ☐ Clear, natural line i    | mpressed on the bank                       | :                                | /egetatio                                 | on matted   | down, b   | ent or absent    |  |
| ✓ Changes in soil cha      | racter                                     |                                  | eaf litte.                                | r disturbed | l or wasl | ned away         |  |
| ☐ Shelving                 | ☐ Shelving ☐ Presence of litter and debris |                                  |   |             |           |                  |  |
| ☐ Sediment deposition      | ☐ Sediment deposition                      |                                  |   |             | getation  |                  |  |
| ✓ Sediment sorting         |  |                                  | Abrupt c                                  | hange in pl | ant com   | munity           |  |
| ☐ Scour                    |  | $\square$ Multiple observed or p |   |             | or predic | cted flow events |  |
| ☐ Presence of wrack        | □ <b>\</b>                                 | Vater st                         | aining                                    |             |           |                  |  |
| Other (list):              |  |                                  |   |             |           |                  |  |
| ☐ Discontinuous? Ex        | rplain:                                    |                                  |   |             |           |                  |  |
| (iii) Chemical Characteris | tics:                                      |                                  |   |             |           |                  |  |
| Characterize Tributa       | ry:  |                                  |   |             |           |                  |  |
| Identify Specific Poll     | utants, if known:                          |                                  |   |             |           |                  |  |
|                            |  |                                  |   |             |           |                  |  |
|                            |  |                                  |   |             |           |                  |  |
|                            |  |                                  |   |             |           |                  |  |
|                            |  |                                  |   |             |           |                  |  |

| Feature ID: 11C  |  |  |  |  |  |
|--|--|--|--|--|--|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |  |  |  |  |  |
| Riparian Corridor Characteristics:   |  |  |  |  |  |
| ☐ Wetland Fringe Characteristics:  |  |  |  |  |  |
| Habitat for:   |  |  |  |  |  |
| Federally Listed Species Explain:  |  |  |  |  |  |
| ☐ Fish/Spawn Areas Explain:  |  |  |  |  |  |
| Other environmentally -sensitive species Explain:  |  |  |  |  |  |
| ☐ Aquatic/Wildlife diversity Explain:  |  |  |  |  |  |
| <ul><li>2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW</li><li>(i) Physical Characteristics:</li></ul> |  |  |  |  |  |
| Wetland Size (ac): Wetland Type, Explain:  |  |  |  |  |  |
| Wetland Quality, Explain:  |  |  |  |  |  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |  |  |  |  |  |
| Wetland Flow is: Explain:  |  |  |  |  |  |
| Surface Flow is: Characteristics:  |  |  |  |  |  |
| Subsurface Flow: Explain Findings:   |  |  |  |  |  |
| ☐ Wetland Directly Abutting Non-TNW  |  |  |  |  |  |
| ☐ Wetland Not Directly Abutting Non-TNW  |  |  |  |  |  |
| ☐ Discrete wetland hydrologic connection Explain:  |  |  |  |  |  |
| ☐ Ecologcal connection Explain:  |  |  |  |  |  |
| ☐ Separated by berm/barrier Explain:   |  |  |  |  |  |
| Project Wetlands: River Miles from TNW:  |  |  |  |  |  |
| Project Wetlands: Aerial Miles from TNW:   |  |  |  |  |  |
| Flow is From:  |  |  |  |  |  |
| Approximate Location of Wetland within Floodplain:   |  |  |  |  |  |
| (ii) Chemical Characteristics:   |  |  |  |  |  |
| Characterize Wetland System:   |  |  |  |  |  |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |  |  |  |  |  |
| ☐ Riparian Buffer Explain:   |  |  |  |  |  |
| ☐ Vegetation type/percent cover. Explain:  |  |  |  |  |  |
| Habitat for:   |  |  |  |  |  |
| Federally Listed Species Explain:  |  |  |  |  |  |
| ☐ Fish/Spawn Areas Explain:  |  |  |  |  |  |
| Other environmentally-sensitive species Explain:   |  |  |  |  |  |
| ☐ Aquatic/Wildlife Diversity Explain:  |  |  |  |  |  |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |  |  |  |  |  |
| All wetland(s) considered in cumulative analysis:  |  |  |  |  |  |
| Wetland acres in total being considered in cumulative analysis:  |  |  |  |  |  |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions):                                |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

| NIFICANT NEXUS DETERMINATION   |          |  |  |  |  |
|--|----------|--|--|--|--|
| gnificant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indi<br>TNW. Explain:   | rectly   |  |  |  |  |
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. |          |  |  |  |  |
| ignificant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows di<br>ndirectly into TNW. Explain:  | rectly   |  |  |  |  |
| ignificant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RP<br>lain:  | w.       |  |  |  |  |
| NWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  erved for Section III D 2 (RPWs):  |          |  |  |  |  |
| Ion-RPWs that flow directly or indirectly into TNWs.   |          |  |  |  |  |
| Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  | nexus    |  |  |  |  |
| served for Section III D 4 (Wetlands directly abutting RPWs):  |          |  |  |  |  |
| served for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |          |  |  |  |  |
| Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |          |  |  |  |  |
| Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent we has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  | etlands, |  |  |  |  |
| mpoundments of jurisdictional waters.  |          |  |  |  |  |
| Demonstration of Jurisdiction:   |          |  |  |  |  |
| LATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION COULD AFFECT INTERSTATE COMMERCE  | N OF     |  |  |  |  |
|  |          |  |  |  |  |
| pporting rationale:  |          |  |  |  |  |

### F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 11C  |                    |                    |             |                |                    |    |
|--|--------------------|--------------------|-------------|----------------|--------------------|----|
| As described in Section 30 possess a significant nexu                    | •                  |                    | eral draina | ge determined  | that it did not    |    |
| Explain finding of Other:  |                    |                    |             |                |                    |    |
| ✓ Non-wetland waters   | 1620.91            | linear feet (ft),  | 5.56        | width (ft)     |                    |    |
| Other waters   |                    | acres              |             |                |                    |    |
| ☐ Wetlands   |                    | acres              |             |                |                    |    |
| SECTION IV: DATA SOURCES   |                    |                    |             |                |                    |    |
| ✓ Maps, Plans, Plots or I  | -                  |                    | ultant: W   | estLand Resou  | rces, Inc.         |    |
| Data Sheets Prepared   |                    | ehalf of Applicant |             |                |                    |    |
| ☐ Office Concurs wit☐ Office Does Not Co                                 |                    | ation              |             |                |                    |    |
| ☐ Data Sheets Prepared   |                    | ation              |             |                |                    |    |
| ☐ Corps Navigable Wate   |                    |                    |             |                |                    |    |
| ☐ US Geological Survey   | •                  |                    |             |                |                    |    |
| USGS NHD Data  |                    |                    |             |                |                    |    |
| $\square$ USGS 8 and 12 dig  | it HUC Map         |                    |             |                |                    |    |
| ✓ US Geological Survey   | Map(s) Scale an    | d Quad Name:       |             |                |                    |    |
| Silver Reef Mount  | ains SE, North Ko  | melik, and Santa R | Rosa Moun   | tains NW 7.5-N | /linute Quadrangle | es |
| ☐ USDA Nat'l Res Conse   | rvation Service Sc | oil Survey Citatio | on:         |                |                    |    |
| ☐ National Wetlands Inv  | entory Maps        | Cite Map Name:     |             |                |                    |    |
| State/Local Wetland I  | nventory Maps      |                    |             |                |                    |    |
| ☐ FEMA/FIR Maps  | _                  |                    |             |                |                    |    |
| <ul><li>☐ 100-year Floodplain E</li><li>✓ Aerial Photographs (</li></ul> |                    | DINIC Misses of    | •           |                | ical Datum of 1929 | 9) |
| <ul><li>Aerial Photographs (</li><li>Other Photographs (</li></ul>       |                    |                    |             | tn 2008        |                    |    |
| ☐ Previous Determination   | •                  |                    |             |                |                    |    |
| ☐ Applicable/Supporting  |                    |                    | Letter.     |                |                    |    |
| ☐ Applicable/Supporting  |                    |                    |             |                |                    |    |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION   |           |
|---|-----------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |           |
| B. District Office and File No: Los Angeles District, File No. Pending  |           |
| C. Project Location and Background Information: Drainage Feature 11C1   |           |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties, Arizona   |           |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |           |
| Name of nearest waterbody: Unnamed Wash 11C1  |           |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam   |           |
| HUC Code: 15050306  |           |
| ✓ Map/Diagram of potential jurisdictional area is available on request  |           |
| D. Review Performed for Site Evaluation:  |           |
| Office Determination. Date:   |           |
| Field Determination. Date: 05/2012  |           |
| SECTION II: SUMMARY OF FINDINGS   |           |
| A. RHA Section 10 Determination of Jurisdiction   |           |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.   |           |
| B. CWA Section 404 Determination of Jurisdiction  |           |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.   |           |
| 1. Waters of the US:  |           |
| Linear Feet Width (ft) and/or Acres   |           |
| Limits of Jurisdiction based on:  |           |
| 2. Non-Regulated Waters/Wetlands:   |           |
| Potentially jurisdictional waters and/or wetlands were assessed and determined not to be jurisdictional waters.   | lictional |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drainage could or considered jurisdictional if it possessed a significant nexus with a downstream TNW. This drainant possess a significant nexus with the downstream TNW. | •         |
| SECTION III: CWA ANALYSIS   |           |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |           |
| 1. Identified TNW:  |           |
| Rationale for TNW determination:  |           |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |           |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS   |           |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW: 4  |           |
| Drainage Area (sq mi): 0.00005 River Miles from tributary to TNW: 30 (or mo   | re)       |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:  |           |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW: 30 (or mo   | re)       |
| Aerial Miles from tributary to RPW:  Project waters cross or serve as state boundaries. Explain:  |           |

Feature ID: 11C1

| _                     | •                     | s Area are ultimately tributary to the Santa Rosa Wash. Topography Itial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|-----------------------|-----------------------|---|
| River.                | ery route or poteri   | telar now is suite rosa. Wash to the santa cruz wash to the Gha   |
| Tributary is: Natural | Explain:              |   |
| Average Width (ft):   | 5.48                  |   |
| Average Depth (ft):   | 1                     |   |
| Average Side Slopes:  | 2:1                   |   |
| Primary tributary sub | strate compositio     | n (check all that apply):   |
| ✓ Silts ☐ Sands       |                       | ☐ Bedrock ☑ Gravel ☐ Vegetation   |
|                       |                       | 20222   |
| ☐ Concrete ☐ N        | Лиск Other, E         | xplain:   |
| Tributary Condition/S | Stability. Explain:   | Stable  |
| Presence of Run/Riffl | • •                   | s. Explain: Not Present   |
| Tributary Geometry:   | Relatively Strai      | ight  |
| Tributary Gradient (a | pproximate avera      | ge slope): 2%   |
|                       |                       |   |
|                       |                       |   |
|                       |                       |   |
|                       |                       |   |
|                       |                       |   |
|                       |                       |   |
|                       |                       |   |
| Flow:                 |                       |   |
| FIOW.                 |                       |   |
| ibutary Provides for: | <b>Ephemeral Flow</b> | Average Flow Events per year: 2-5   |
|                       | •                     | Average Flow Events per year: 2-5 Other Information on Duration and Volume:   |

| Tributary Provides for:       | Ephemeral Flow        | Average    | Flow Eve  | ents per ye | ear:      | 2-5            |     |  |
|-------------------------------|-----------------------|------------|-----------|-------------|-----------|----------------|-----|--|
| Describe Flow Regime:         | Ephemeral             | Other In   | formatio  | n on Dura   | tion and  | d Volume:      |     |  |
| Surface Flow is:              | Confined              | Characte   | ristics:  |             |           |                |     |  |
| Subsurface Flow:              | No                    | Explain:   |           |             |           |                |     |  |
| Tributary Has:                |                       |            |           |             |           |                |     |  |
| $\square$ Bed and Banks       |                       |            |           |             |           |                |     |  |
| ✓ OHWM: OHWM Inc              | dicators:             |            |           |             |           |                |     |  |
| $\square$ Clear, natural line | impressed on the bank | ( U        | /egetati  | on matted   | down, l   | bent or absent | t   |  |
| Changes in soil cha           | ıracter               | □ I        | eaf litte | r disturbe  | d or was  | shed away      |     |  |
| ☐ Shelving                    |                       | F          | resence   | of litter a | nd debr   | is             |     |  |
| ☐ Sediment deposition         | on                    | <b>✓</b> [ | Destruct  | ion of terr | estrial v | egetation      |     |  |
| Sediment sorting              |                       |            | Abrupt c  | hange in p  | lant con  | nmunity        |     |  |
| ☐ Scour                       |                       |            | Multiple  | observed    | or predi  | icted flow eve | nts |  |
| ☐ Presence of wrack           | line                  | _ \        | Nater st  | aining      |           |                |     |  |
| Other (list):                 |                       |            |           |             |           |                |     |  |
| ☐ Discontinuous? Ex           | kplain:               |            |           |             |           |                |     |  |
| (iii) Chemical Characteris    | tics:                 |            |           |             |           |                |     |  |
| Characterize Tributa          |                       |            |           |             |           |                |     |  |
| Identify Specific Poll        |                       |            |           |             |           |                |     |  |
|                               |                       |            |           |             |           |                |     |  |
|                               |                       |            |           |             |           |                |     |  |
|                               |                       |            |           |             |           |                |     |  |
|                               |                       |            |           |             |           |                |     |  |

| Feature ID: 11C1  |   |
|---|---|
| (iv) Biological Characteristi   | cs. Channel supports (check all that apply):  |
| Riparian Corridor C   | haracteristics:   |
| ☐ Wetland Fringe Cha  | racteristics:   |
| Habitat for:  |   |
| ☐ Federally Listed Spec   | cies Explain:   |
| ☐ Fish/Spawn Areas  | Explain:  |
| ☐ Other environmenta  | ally -sensitive species Explain:  |
| ☐ Aquatic/Wildlife dive   | ersity Explain:   |
| 2 Charactaristics of wetler   | ada adia aant ta man TBNA/ that flann dinasthu an in dinasthu into TBNA/  |
|   | nds adjacent to non-TNW that flow directly or indirectly into TNW   |
| (i) Physical Characteristics:   |   |
| Wetland Size (ac):  | Wetland Type, Explain:  |
| Wetland Quality, Expla  |   |
| •   | s or Serve as State Boundaries, Explain:  |
| Wetland Flow is:  | Explain:  |
| Surface Flow is: Subsurface Flow:   | Characteristics:  |
| Substitute Flow.  | Explain Findings:   |
| ☐ Ecologcal connect☐ Separated by beru Project Wetlands: Rive Project Wetlands: Aeria Flow is From: | y Abutting Non-TNW hydrologic connection Explain: tion Explain: m/barrier Explain: r Miles from TNW: al Miles from TNW: of Wetland within Floodplain: |
| Characterize Wetland S  | System:   |
| (iii) Riological Characteristi  | cs. Wetland supports (check all that apply):  |
| Riparian Buffer Ex  |   |
| · ·   | ercent cover. Explain:  |
| Habitat for:  | reent cover. Explain.   |
| ☐ Federally Listed S  | necies Explain:   |
| ☐ Fish/Spawn Areas  | •   |
| •   | ntally-sensitive species Explain:   |
| ☐ Aquatic/Wildlife [  | , ·   |
|   |   |
|   | tlands adjacent to the non-TNW tributary (if any)   |
|   | ed in cumulative analysis:  |
| Wetland acres in total  | being considered in cumulative analysis:  |
| Describe each wetland   | (directly abuts tributary?; size in acres; overall biological, chemical or physical functions):   |

| . SIGNIFICANT NEXUS DETERMINATION   |  |
|---|--|
| 1. Significant nexus findings for non-RPW th into TNW. Explain:   | at has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gillespie Dam. Ar discharges, in combination with the geomorp downstream manmade impoundment (Tat M possibility of a hydrologic connection between critical habitats were identified within the Andoes not provide lifecycle support functions, drainage does not have more than a speculate | I more than 100 river miles from the nearest TNW, the Gila River in analysis of peak yearly discharges and potential flood phology of the Analysis Area, the presence of a significant Momolikot Dam), and the distance to the TNW, suggests that the enthis drainage and the TNW is tenuous. No pollutants or nalysis Area. Additionally, this unnamed ephemeral drainage nutrients, or organic carbon to species within the TNW. This tive or insubstantial effect on the physical, chemical, and/or his unnamed ephemeral drainage does not possess a significant petween Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for non-RPW ar or indirectly into TNW. Explain:   | nd its adjacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for wetlands ad Explain:  | ljacent to an RPW but that do not directly abut the RPW.   |
| . DETERMINATIONS OF JURISDICTIONAL FINE   | DINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| 1. TNWs and Adjacent Wetlands   |  |
| ☐ TNWs: Linear Feet ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  | Width (ft), Or, Acres Acres  |
| 3. Non-RPWs that flow directly or indirectly  | into TNWs.   |
| ☐ Non-TNW/non-RPW waterbody that flow with a TNW, and is therfore jurisdictional  | s directly or indirectly into a TNW and has a signficant nexus   |
| Reserved for Section III D 4 (Wetlands direct   | tly abutting RPWs):  |
| Reserved for Section III D 5 (Wetlands adjace   | ent to but not directly abutting RPWs):  |
| 6. Wetlands adjacent to non-RPWs that flo   | w directly or indirectly into TNWs.  |
| ☐ Wetland adjacent to non-RPWs which, in has a significant nexus with the TNW.  | n combination with the tributary and other adjacent wetlands,  |
| Estimated size of jurisdictional wetland (  | in acres):   |
|   |  |
| 7. Impoundments of jurisdictional waters.   |  |
| 7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:   |  |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Fea              | ature ID: 11C1   |
|------------------|--|
|                  | As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW.   |
|                  | Explain finding of Other:  |
| [ <u>]</u><br>[] | ✓ Non-wetland waters  267.96 linear feet (ft),  3.48 width (ft)  acres  Wetlands  acres  |
| SEC              | TION IV: DATA SOURCES  |
| _                | <ul> <li>✓ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.</li> <li>✓ Data Sheets Prepared/Submitted on behalf of Applicant</li> <li>☐ Office Concurs with delineation</li> <li>☐ Office Does Not Concur with delineation</li> <li>☐ Data Sheets Prepared by the Corps</li> <li>☐ Corps Navigable Water Study</li> <li>☐ US Geological Survey Hydrologic Atlas</li> <li>☐ USGS NHD Data</li> <li>☐ USGS 8 and 12 digit HUC Map</li> </ul> |
| [                | ✓ US Geological Survey Map(s) Scale and Quad Name:  Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  |
| _                | USDA Nat'l Res Conservation Service Soil Survey Citation:  National Wetlands Inventory Maps Cite Map Name:  State/Local Wetland Inventory Maps  FEMA/FIR Maps  100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)  ✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008  ✓ Other Photographs (Name and Date): Ground Photos; May 2012  |
| [                | Previous Determinations File No. and Date of Response Letter:  |
| [                | Applicable/Supporting Case Law Citation:   |

☐ Applicable/Supporting Scientific Literature Citation:

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM                                | 1ATION           |  |             |                       |
|---|------------------|--|-------------|-----------------------|
| A. Report Completion Date for App                           | oroved Jurisdic  | tional Determination: 07/30/2                            | 2012        |                       |
| B. District Office and File No: Los                         |                  |  |             |                       |
| C. Project Location and Background                          | d Information:   | Drainage Feature 11D                                     |             |                       |
| City, County, State Sif Oidak Dis                           | strict, Tohono   | O'odham Nation, Pima and Pina                            | Counties, A | Arizona               |
| Center coordinates of site: Lat.                            | 32.5073          | Long111.9100   |             |                       |
| Name of nearest waterbody: Uni                              | named Wash 1     | .1D  |             |                       |
| Name of nearest downstream TN\                              | W: Gila River    | between Powers Butte and Gille                           | spie Dam    |                       |
| HUC Code: 15050306  |                  |  |             |                       |
| ✓ Map/Diagram of potential jurise                           | dictional area   | is available on request                                  |             |                       |
| D. Review Performed for Site Evalu                          | ation:           |  |             |                       |
| Office Determination. Date:                                 |                  |  |             |                       |
| Field Determination. Date: 05/2                             | 2012             |  |             |                       |
| SECTION II: SUMMARY OF FINDING                              | GS               |  |             |                       |
| A. RHA Section 10 Determination                             |                  |  |             |                       |
|   |                  | vithin RHA jurisdiction in the rev                       | iew area.   |                       |
| B. CWA Section 404 Determination                            | n of Jurisdictio | on   |             |                       |
|   |                  | CWA jurisdiction in the review a                         | irea.       |                       |
| 1. Waters of the US:  |                  | ·  |             |                       |
| Linear Feet   |                  | Width (ft) and/or  | Acres       |                       |
| Limits of Jurisdiction based on:                            |                  | (1)  |             |                       |
| 2. Non-Regulated Waters/Wet                                 | lands:           |  |             |                       |
| <del>-</del>  |                  | etlands were assessed and deter                          | mined not   | to be jurisdictional: |
|   |                  | ify as a TNW or RPW. Therefore,                          |             | -                     |
| considered jurisdictional if                                | it possessed a   | significant nexus with a downsti                         |             |                       |
| not possess a significant ne                                | exus with the o  | lownstream TNW.  |             |                       |
| SECTION III: CWA ANALYSIS                                   |                  |  |             |                       |
| A. TNWs AND WETLANDS ADJACE                                 | ENT TO TNWs      |  |             |                       |
| 1. Identified TNW:  |                  |  |             |                       |
| Rationale for TNW determinat                                | ion:             |  |             |                       |
| 2. Rationale for conclusion tha                             | ıt anv wetland   | s nresent are "adiacent":                                |             |                       |
|   | ,                | •  |             |                       |
| B. CHARACTERISTICS OF NON-TN                                |                  |  |             |                       |
| TNW Watershed Size (sq mi):                                 | 49650            | Tributaries flow to TNW:                                 |             | 4                     |
| Drainage Area (sq mi):                                      | 0.00033          | River Miles from tributary                               |             | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in): | 8.5<br>0         | River Miles from tributary<br>Aerial Miles from tributar |             | 30 (or more)          |
| Average Annual Showlan (III).                               | U                | Aerial Miles from tributar                               | •           | 50 (of filote)        |
| ☐ Project waters cross or serv                              | ve as state bou  | ndaries. Explain:  |             |                       |

Feature ID: 11D

| Unnamed drainages v<br>suggests the most lik<br>River.                            |  |  |                       | •                             | •     |          |  |
|---|--|--|-----------------------|-------------------------------|-------|----------|--|
| Tributary is: Natural   |  | Explain:   |                       |                               |       |          |  |
| Average Width (ft):   | 5.82                                     |  |                       |                               |       |          |  |
| Average Depth (ft):   | 1  |  |                       |                               |       |          |  |
| Average Side Slopes:  | 2:1                                      |  |                       |                               |       |          |  |
|   | s □ (<br>Muck                            | Cobbles<br>Other, E                              | ☐ Bedro<br>Explain:   | l that apply):<br>ock 🗹 Grave | □ Veg | getation |  |
| ☐ Concrete ☐ M  | Лиск<br>Stability.                       | Other, E<br>Explain:                             | Explain:              |                               | □ Veg | getation |  |
| ☐ Concrete ☐ M  Tributary Condition/S  Presence of Run/Riffl                      | Muck<br>Stability.<br>Je/Pool (          | Other, E<br>Explain:                             | Stable<br>s. Explain: | ock <b>⊻</b> Grave            | □ Veg | getation |  |
| ☐ Concrete ☐ M  Tributary Condition/S  Presence of Run/Riffl  Tributary Geometry: | Muck<br>Stability.<br>le/Pool (<br>Relat | Other, E<br>Explain:<br>Complexes<br>ively Strai | Stable<br>s. Explain: | ock <b>⊻</b> Grave            | □ Veg | getation |  |
| ☐ Concrete ☐ M  Tributary Condition/S  Presence of Run/Riffl  Tributary Geometry: | Muck<br>Stability.<br>le/Pool (<br>Relat | Other, E<br>Explain:<br>Complexes<br>ively Strai | Stable<br>s. Explain: | ock ✓ Grave  Not Present      | □ Veg | getation |  |
| _   | Muck<br>Stability.<br>le/Pool (<br>Relat | Other, E<br>Explain:<br>Complexes<br>ively Strai | Stable<br>s. Explain: | ock ✓ Grave  Not Present      | □ Veg | getation |  |

| (c) Flow:                       |                       |                                    |                                 |             |            |              |      |  |
|---------------------------------|-----------------------|------------------------------------|---------------------------------|-------------|------------|--------------|------|--|
| Tributary Provides for:         | Ephemeral Flow        | Average                            | Flow Eve                        | ents per ye | ear:       | 2-5          |      |  |
| Describe Flow Regime:           | Ephemeral             | Other Inf                          | Other Information on Duration a |             |            | Volume:      |      |  |
| Surface Flow is:                | Confined              | Characteristics:                   |                                 |             |            |              |      |  |
| Subsurface Flow:                | No                    | Explain:                           |                                 |             |            |              |      |  |
| Tributary Has:                  |                       |                                    |                                 |             |            |              |      |  |
| ☐ Bed and Banks                 |                       |                                    |                                 |             |            |              |      |  |
| ✓ OHWM: OHWM Inc                | dicators:             |                                    |                                 |             |            |              |      |  |
| $\square$ Clear, natural line i | impressed on the bank | □ v                                | egetation                       | on matted   | down, b    | ent or abse  | nt   |  |
| ✓ Changes in soil cha           | racter                | □ L                                | eaf litte                       | r disturbe  | d or was   | hed away     |      |  |
| ☐ Shelving                      | •                     |                                    |                                 | of litter a | nd debri   | S            |      |  |
| ☐ Sediment deposition           | ☐ Sediment deposition |                                    |                                 | on of terr  | estrial ve | egetation    |      |  |
| Sediment sorting                |                       | ☐ Abrupt change in plant community |                                 |             |            |              |      |  |
| ☐ Scour                         |                       |                                    | /lultiple                       | observed    | or predi   | cted flow ev | ents |  |
| ☐ Presence of wrack             | line                  | □ v                                | Vater sta                       | aining      |            |              |      |  |
| Other (list):                   |                       |                                    |                                 |             |            |              |      |  |
| ☐ Discontinuous? Ex             | rplain:               |                                    |                                 |             |            |              |      |  |
| (iii) Chamical Characteris      | <b>t</b> ion.         |                                    |                                 |             |            |              |      |  |
| (iii) Chemical Characteris      |                       |                                    |                                 |             |            |              |      |  |
| Characterize Tributa            | ·                     |                                    |                                 |             |            |              |      |  |
| Identify Specific Poll          | utants, if known:     |                                    |                                 |             |            |              |      |  |
|                                 |                       |                                    |                                 |             |            |              |      |  |
|                                 |                       |                                    |                                 |             |            |              |      |  |
|                                 |                       |                                    |                                 |             |            |              |      |  |
|                                 |                       |                                    |                                 |             |            |              |      |  |

| Feature ID: 11D  |      |
|--|------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |      |
| Riparian Corridor Characteristics:   |      |
| ☐ Wetland Fringe Characteristics:  |      |
| Habitat for:   |      |
| ☐ Federally Listed Species Explain:  |      |
| ☐ Fish/Spawn Areas Explain:  |      |
| Other environmentally -sensitive species Explain:  |      |
| ☐ Aquatic/Wildlife diversity Explain:  |      |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW (i) Physical Characteristics:   |      |
| Wetland Size (ac): Wetland Type, Explain:  |      |
| Wetland Quality, Explain:  |      |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |      |
| Wetland Flow is: Explain:  |      |
| Surface Flow is: Characteristics:  |      |
| Subsurface Flow: Explain Findings:   |      |
| <ul> <li>□ Wetland Directly Abutting Non-TNW</li> <li>□ Wetland Not Directly Abutting Non-TNW</li> <li>□ Discrete wetland hydrologic connection Explain:</li> <li>□ Ecological connection Explain:</li> <li>□ Separated by berm/barrier Explain:</li> <li>Project Wetlands: River Miles from TNW:</li> <li>Project Wetlands: Aerial Miles from TNW:</li> <li>Flow is From:</li> <li>Approximate Location of Wetland within Floodplain:</li> </ul> (ii) Chemical Characteristics: |      |
| Characterize Wetland System:   |      |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |      |
| ☐ Riparian Buffer Explain:   |      |
| ☐ Vegetation type/percent cover. Explain:  |      |
| Habitat for:   |      |
| ☐ Federally Listed Species Explain:  |      |
| ☐ Fish/Spawn Areas Explain:  |      |
| Other environmentally-sensitive species Explain:   |      |
| ☐ Aquatic/Wildlife Diversity Explain:  |      |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |      |
| All wetland(s) considered in cumulative analysis:  |      |
| Wetland acres in total being considered in cumulative analysis:  |      |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical function   | ns): |
| ,  | ,    |

| . SIGNIFICANT NEXUS DETERMINATION  | N .  |
|--|--|
| 1. Significant nexus findings for non-Finto TNW. Explain:  | RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gillespie Didischarges, in combination with the gedownstream manmade impoundment possibility of a hydrologic connection critical habitats were identified within does not provide lifecycle support fundrainage does not have more than a sebiological integrity of the TNW. Therefore  | ocated more than 100 river miles from the nearest TNW, the Gila River oam. An analysis of peak yearly discharges and potential flood comorphology of the Analysis Area, the presence of a significant (Tat Momolikot Dam), and the distance to the TNW, suggests that the between this drainage and the TNW is tenuous. No pollutants or the Analysis Area. Additionally, this unnamed ephemeral drainage ctions, nutrients, or organic carbon to species within the TNW. This peculative or insubstantial effect on the physical, chemical, and/or fore, this unnamed ephemeral drainage does not possess a significant River between Powers Butte and Gillespie Dam.   |
| 2. Significant nexus findings for non-For indirectly into TNW. Explain:  | RPW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for wetla<br>Explain:  | ands adjacent to an RPW but that do not directly abut the RPW.   |
| DETERMINATIONS OF HIRISDICTION/  | AL FINDINGS THE SURJECT WATERS/WETLANDS ARE  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:   | AL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  Width (ft), Or,  Acres  Acres  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):   | Width (ft), Or, Acres  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or inc  Non-TNW/non-RPW waterbody th with a TNW, and is therfore jurisdi Length (Linear Feet):  | Width (ft), Or,  Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or inc  Non-TNW/non-RPW waterbody th with a TNW, and is therfore jurisdi Length (Linear Feet):  Reserved for Section III D 4 (Wetland   | Width (ft), Or,  Acres  Acres  lirectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or inc  Non-TNW/non-RPW waterbody th with a TNW, and is therfore jurisdi Length (Linear Feet):  Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland   | Width (ft), Or,  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  At flows directly or indirectly into a TNW and has a significant nexus ctional.  Width (feet):  Acres:  Statistical directly abutting RPWs):  Acres:  Statistical directly acres:  Ac |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete in the section of the sec | Width (ft), Or, Acres  Acres  directly into TNWs. at flows directly or indirectly into a TNW and has a signficant nexus ctional. Width (feet): Acres: s directly abutting RPWs): s adjacent to but not directly abutting RPWs): that flow directly or indirectly into TNWs.  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or inc.  Non-TNW/non-RPW waterbody th with a TNW, and is therfore jurisdi Length (Linear Feet):  Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland 6. Wetlands adjacent to non-RPWs to whas a significant nexus with the TN   | Width (ft), Or,  Acres  Acres  Acres  Acres  Acres  Acres  Acres:  Acres:  Width (feet):  Acres:  So directly abutting RPWs):  So adjacent to but not directly abutting RPWs):  Chat flow directly or indirectly into TNWs.  Acres:  A |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or inc.  Non-TNW/non-RPW waterbody th with a TNW, and is therfore jurisdi Length (Linear Feet):  Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland 6. Wetlands adjacent to non-RPWs whas a significant nexus with the TN Estimated size of jurisdictional wetens.   | Width (ft), Or, Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres:  Width (feet): Acres:  S directly abutting RPWs):  S adjacent to but not directly abutting RPWs):  That flow directly or indirectly into TNWs.  Acres:  Acres: |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or inc.  Non-TNW/non-RPW waterbody th with a TNW, and is therfore jurisdi Length (Linear Feet):  Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland 6. Wetlands adjacent to non-RPWs to whas a significant nexus with the TN   | Width (ft), Or, Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres:  Width (feet): Acres:  S directly abutting RPWs):  S adjacent to but not directly abutting RPWs):  That flow directly or indirectly into TNWs.  Acres:  Acres: |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW.  Explain finding of Other:  Non-wetland waters  | Feature ID: 11D           |                     |                    |                 |                        |           |
|--|---------------------------|---------------------|--------------------|-----------------|------------------------|-----------|
| ✓ Non-wetland waters 1574.30 linear feet (ft), acres   Other waters acres   Wetlands acres    SECTION IV: DATA SOURCES   Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  Data Sheets Prepared/Submitted on behalf of Applicant Office Concurs with delineation Office Does Not Concur with delineation Data Sheets Prepared by the Corps Corps Navigable Water Study US Geological Survey Hydrologic Atlas USGS NHD Data USGS 8 and 12 digit HUC Map   ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles   USDA Nat'l Res Conservation Service Soil Survey Citation:  |                           |                     | •                  | eral drainage d | determined that it did | not       |
| <ul> <li>Other waters</li> <li>Wetlands</li> <li>acres</li> <li>Wetlands</li> <li>acres</li> <li>SECTION IV: DATA SOURCES</li> <li>✓ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.</li> <li>✓ Data Sheets Prepared/Submitted on behalf of Applicant</li> <li>Office Concurs with delineation</li> <li>Office Does Not Concur with delineation</li> <li>Data Sheets Prepared by the Corps</li> <li>Corps Navigable Water Study</li> <li>US Geological Survey Hydrologic Atlas</li> <li>USGS NHD Data</li> <li>USGS 8 and 12 digit HUC Map</li> <li>✓ US Geological Survey Map(s) Scale and Quad Name:</li> <li>Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> <li>USDA Nat'l Res Conservation Service Soil Survey</li> </ul> | Explain finding of Other: |                     |                    |                 |                        |           |
| SECTION IV: DATA SOURCES  ✓ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  ✓ Data Sheets Prepared/Submitted on behalf of Applicant  ☐ Office Concurs with delineation  ☐ Office Does Not Concur with delineation  ☐ Data Sheets Prepared by the Corps  ☐ Corps Navigable Water Study  ☐ US Geological Survey Hydrologic Atlas  ☐ USGS NHD Data  ☐ USGS 8 and 12 digit HUC Map  ✓ US Geological Survey Map(s) Scale and Quad Name:  Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  ☐ USDA Nat'l Res Conservation Service Soil Survey Citation:   | ✓ Non-wetland waters      | 1574.30 li          | inear feet (ft),   | 5.82 widt       | th (ft)                |           |
| SECTION IV: DATA SOURCES  ✓ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  ✓ Data Sheets Prepared/Submitted on behalf of Applicant  ☐ Office Concurs with delineation  ☐ Office Does Not Concur with delineation  ☐ Data Sheets Prepared by the Corps  ☐ Corps Navigable Water Study  ☐ US Geological Survey Hydrologic Atlas  ☐ USGS NHD Data  ☐ USGS 8 and 12 digit HUC Map  ✓ US Geological Survey Map(s) Scale and Quad Name:  Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  ☐ USDA Nat'l Res Conservation Service Soil Survey Citation:   |                           | a                   | acres              |                 |                        |           |
| <ul> <li>✓ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant:</li> <li>✓ Data Sheets Prepared/Submitted on behalf of Applicant</li> <li>☐ Office Concurs with delineation</li> <li>☐ Office Does Not Concur with delineation</li> <li>☐ Data Sheets Prepared by the Corps</li> <li>☐ Corps Navigable Water Study</li> <li>☐ US Geological Survey Hydrologic Atlas</li> <li>☐ USGS NHD Data</li> <li>☐ USGS 8 and 12 digit HUC Map</li> <li>✓ US Geological Survey Map(s) Scale and Quad Name:</li> <li>☐ Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> <li>☐ USDA Nat'l Res Conservation Service Soil Survey Citation:</li> </ul>  | ☐ Wetlands                | а                   | acres              |                 |                        |           |
| <ul> <li>✓ Data Sheets Prepared/Submitted on behalf of Applicant         <ul> <li>Office Concurs with delineation</li> <li>Office Does Not Concur with delineation</li> </ul> </li> <li>□ Data Sheets Prepared by the Corps</li> <li>□ Corps Navigable Water Study</li> <li>□ US Geological Survey Hydrologic Atlas</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit HUC Map</li> </ul> <li>✓ US Geological Survey Map(s) Scale and Quad Name:         <ul> <li>Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> </ul> </li> <li>□ USDA Nat'l Res Conservation Service Soil Survey Citation:</li>   | SECTION IV: DATA SOURCES  |                     |                    |                 |                        |           |
| <ul> <li>□ Office Concurs with delineation</li> <li>□ Office Does Not Concur with delineation</li> <li>□ Data Sheets Prepared by the Corps</li> <li>□ Corps Navigable Water Study</li> <li>□ US Geological Survey Hydrologic Atlas</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit HUC Map</li> <li>☑ US Geological Survey Map(s) Scale and Quad Name:         <ul> <li>Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> </ul> </li> <li>□ USDA Nat'l Res Conservation Service Soil Survey Citation:</li> </ul>  | ✓ Maps, Plans, Plots or P | lat Submitted by    | Applicant/Consu    | ltant: WestL    | Land Resources, Inc.   |           |
| <ul> <li>□ Office Does Not Concur with delineation</li> <li>□ Data Sheets Prepared by the Corps</li> <li>□ Corps Navigable Water Study</li> <li>□ US Geological Survey Hydrologic Atlas</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit HUC Map</li> <li>☑ US Geological Survey Map(s) Scale and Quad Name:</li> <li>□ Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> <li>□ USDA Nat'l Res Conservation Service Soil Survey</li> <li>□ Citation:</li> </ul>  | ✓ Data Sheets Prepared/   | Submitted on beh    | nalf of Applicant  |                 |                        |           |
| <ul> <li>□ Data Sheets Prepared by the Corps</li> <li>□ Corps Navigable Water Study</li> <li>□ US Geological Survey Hydrologic Atlas</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit HUC Map</li> <li>☑ US Geological Survey Map(s) Scale and Quad Name:</li> <li>Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> <li>□ USDA Nat'l Res Conservation Service Soil Survey Citation:</li> </ul>  |                           |                     |                    |                 |                        |           |
| <ul> <li>□ Corps Navigable Water Study</li> <li>□ US Geological Survey Hydrologic Atlas</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit HUC Map</li> <li>☑ US Geological Survey Map(s) Scale and Quad Name:</li> <li>Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> <li>□ USDA Nat'l Res Conservation Service Soil Survey Citation:</li> </ul>   | ☐ Office Does Not Co      | ncur with delineat  | tion               |                 |                        |           |
| <ul> <li>US Geological Survey Hydrologic Atlas</li> <li>USGS NHD Data</li> <li>USGS 8 and 12 digit HUC Map</li> <li>✓ US Geological Survey Map(s) Scale and Quad Name:</li> <li>Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> <li>USDA Nat'l Res Conservation Service Soil Survey Citation:</li> </ul>  |                           | •                   |                    |                 |                        |           |
| <ul> <li>USGS NHD Data</li> <li>USGS 8 and 12 digit HUC Map</li> <li>✓ US Geological Survey Map(s) Scale and Quad Name:</li> <li>Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> <li>USDA Nat'l Res Conservation Service Soil Survey Citation:</li> </ul>   |                           | •                   |                    |                 |                        |           |
| <ul> <li>USGS 8 and 12 digit HUC Map</li> <li>✓ US Geological Survey Map(s) Scale and Quad Name:         <ul> <li>Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> </ul> </li> <li>USDA Nat'l Res Conservation Service Soil Survey Citation:</li> </ul>  |                           | lydrologic Atlas    |                    |                 |                        |           |
| <ul> <li>✓ US Geological Survey Map(s) Scale and Quad Name:         <ul> <li>Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> </ul> </li> <li>USDA Nat'l Res Conservation Service Soil Survey Citation:</li> </ul>   |                           |                     |                    |                 |                        |           |
| Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  USDA Nat'l Res Conservation Service Soil Survey Citation:   | ☐ USGS 8 and 12 digi      | t HUC Map           |                    |                 |                        |           |
| ☐ USDA Nat'l Res Conservation Service Soil Survey Citation:  |                           | •                   |                    |                 |                        |           |
|  | Silver Reef Mounta        | ains SE, North Kom  | nelik, and Santa R | osa Mountains   | ns NW 7.5-Minute Qua   | adrangles |
| ☐ National Wetlands Inventory Maps Cite Map Name:  | ☐ USDA Nat'l Res Conser   | vation Service Soil | l Survey Citatio   | n:              |                        |           |
| ,  | ☐ National Wetlands Inv   | entory Maps Ci      | ite Map Name:      |                 |                        |           |
| State/Local Wetland Inventory Maps   |                           | iventory Maps       |                    |                 |                        |           |
| FEMA/FIR Maps  |                           |                     |                    |                 |                        |           |
| ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)   | -                         |                     |                    | •               |                        | of 1929)  |
| Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008   |                           |                     |                    |                 | 2008                   |           |
| ✓ Other Photographs (Name and Date): Ground Photos; May 2012   |                           |                     |                    |                 |                        |           |
| <ul><li>□ Previous Determinations File No. and Date of Response Letter:</li><li>□ Applicable/Supporting Case Law Citation:</li></ul>   | _                         |                     | •                  | Letter:         |                        |           |
| □ Applicable/Supporting Case Law Citation: □ Applicable/Supporting Scientific Literature Citation:   |                           |                     |                    |                 |                        |           |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM   | <u>MATION</u>    |  |  |                            |
|--|------------------|--|--|----------------------------|
| A. Report Completion Date for App  | oroved Jurisdic  | tional Determination:                              | 07/30/2012                                     |                            |
| B. District Office and File No: Los  |                  |  |  |                            |
| C. Project Location and Background   | d Information:   | Drainage Feature 11                                | ID1  |                            |
| City, County, State Sif Oidak Dis  | strict, Tohono   | O'odham Nation, Pima                               | and Pinal Cour                                 | ities, Arizona             |
| Center coordinates of site: Lat.   | 32.5073          | Long111.9100                                       | )  |                            |
| Name of nearest waterbody: Un  | named Wash 1     | 11D1   |  |                            |
| Name of nearest downstream TNV   | N: Gila River    | between Powers Butte                               | and Gillespie [                                | Dam                        |
| HUC Code: 15050306   |                  |  |  |                            |
| ✓ Map/Diagram of potential juris   | dictional area   | is available on request                            |  |                            |
| D. Review Performed for Site Evalu   | iation:          |  |  |                            |
| Office Determination. Date:  |                  |  |  |                            |
| Field Determination. Date: 05/2  | 2012             |  |  |                            |
| SECTION II: SUMMARY OF FINDING   | GS               |  |  |                            |
| A. RHA Section 10 Determination  |                  | 1  |  |                            |
| There Are No "navigable waters   |                  |  | n the review ar                                | ·ea.                       |
| B. CWA Section 404 Determination   |                  | -  |  |                            |
|  |                  | on<br>CWA jurisdiction in the                      | review area                                    |                            |
|  | ie O.S. Wittiili | CVA jurisulction in the                            | review area.                                   |                            |
| 1. Waters of the US:   |                  |  |  |                            |
| Linear Feet  |                  | Width (ft) and/or                                  | Acr  | es                         |
| Limits of Jurisdiction based on:   |                  |  |  |                            |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional water</li> </ol> |                  | etlands were assessed a                            | and determine                                  | d not to be jurisdictional |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne      | does not qual    | lify as a TNW or RPW. The significant nexus with a | herefore, this o                               | drainage could only be     |
| SECTION III: CWA ANALYSIS  |                  |  |  |                            |
| A. TNWs AND WETLANDS ADJACE  | NIT TO TNIMs     |  |  |                            |
| 1. Identified TNW:   | .141 10 114443   |  |  |                            |
| Rationale for TNW determinat   | tion:            |  |  |                            |
|  |                  |  | 11   |                            |
| 2. Rationale for conclusion tha  | it any wetiand   | s present are "adjacent                            | ··:  |                            |
| B. CHARACTERISTICS OF NON-TN   | W TRIBUTARY      | AND ITS ADJACENT WE                                | TLANDS   |                            |
| TNW Watershed Size (sq mi):  | 49650            | Tributaries flow                                   |  | 4                          |
| Drainage Area (sq mi):   | 0.00008          | River Miles from                                   | •  |                            |
| Average Annual Rainfall (in):  | 8.5              | River Miles from                                   | •  |                            |
| Average Annual Snowfall (in):  | 0                | Aerial Miles from<br>Aerial Miles from             | •  |                            |
| ☐ Project waters cross or serv   | ve as state bou  |  | <u>,                                      </u> |                            |

Feature ID: 11D1

| eature ID: 11D1   |   |  |
|---|---|--|
| Identify flow route to  | TNW:                                      |  |
| _   | •   | area are ultimately tributary to the Santa Rosa Wash. Topography al flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural   | Explain:                                  |  |
| Average Width (ft):   | 5.78                                      |  |
| Average Depth (ft):   | 1   |  |
| Average Side Slopes:  | 2:1                                       |  |
| Primary tributary sub   | strate composition (                      | check all that apply):   |
| ✓ Silts ☐ Sands   | ·   | ☐ Bedrock ☑ Gravel ☐ Vegetation  |
| ☐ Concrete ☐ M  | luck Other, Exp                           | lain:  |
| Tributary Condition/S Presence of Run/Riffle Tributary Geometry: Tributary Gradient (a) | e/Pool Complexes. E<br>Relatively Straigh | t  |
| c) Flow:  |   |  |
|   | Ephemeral Flow                            | Average Flow Events per year: 2-5  |
| escribe Flow Regime:  | · ·                                       | Other Information on Duration and Volume:  |
| urface Flow is:   | Confined                                  | Characteristics:   |
| ubsurface Flow:   | No  | Explain:   |
| ributary Has:   |   |  |
| Bed and Banks   |   |  |
|   | licators                                  |  |

✓ OHWM: OHWM Indicators: ☐ Clear, natural line impressed on the bank ☐ Vegetation matted down, bent or absent ✓ Changes in soil character ☐ Leaf litter disturbed or washed away ☐ Shelving ☐ Presence of litter and debris ☐ Sediment deposition **✓** Destruction of terrestrial vegetation ✓ Sediment sorting ☐ Abrupt change in plant community ☐ Scour ☐ Multiple observed or predicted flow events ☐ Presence of wrack line ☐ Water staining Other (list): ☐ Discontinuous? Explain: (iii) Chemical Characteristics: Characterize Tributary: Identify Specific Pollutants, if known:

| , and a Brown distribution   | tics. Channel supports (check all that apply):                     |
|--|--|
| ☐ Riparian Corridor  | Characteristics:   |
| $\square$ Wetland Fringe Ch  | aracteristics:   |
| Habitat for:   |  |
| ☐ Federally Listed Spe   | ecies Explain:   |
| ☐ Fish/Spawn Areas   | Explain:   |
| $\square$ Other environment  | tally -sensitive species Explain:                                  |
| ☐ Aquatic/Wildlife div   | versity Explain:   |
| Characteristics of wetla   | ands adjacent to non-TNW that flow directly or indirectly into TNW |
| Physical Characteristics   | ::   |
| Wetland Size (ac):   | Wetland Type, Explain:   |
| Wetland Quality, Expl  | ain:   |
| -  | ss or Serve as State Boundaries, Explain:                          |
| Wetland Flow is:   | Explain:   |
| Surface Flow is:   | Characteristics:   |
| Subsurface Flow:   | Explain Findings:  |
| $\square$ Wetland Directly A   | butting Non-TNW  |
| ☐ Wetland Not Direct   | tly Abutting Non-TNW   |
| ☐ Discrete wetland   | d hydrologic connection Explain:                                   |
| ☐ Ecologcal conne  | ction Explain:   |
| $\square$ Separated by be  | rm/barrier Explain:  |
| Project Wetlands: Riv  | er Miles from TNW:   |
| Project Wetlands: Aer  | ial Miles from TNW:  |
| Flow is From:  |  |
| Approximate Location   | n of Wetland within Floodplain:                                    |
| ) Chemical Characteristi   | cs:  |
| Characterize Wetland   | System:  |
| i) Biological Characterist   | tics. Wetland supports (check all that apply):                     |
| ☐ Riparian Buffer E  | explain:   |
|  | percent cover. Explain:  |
| •  |  |
| •  |  |
| ☐ Vegetation type/p  | Species Explain:   |
| ☐ Vegetation type/p<br>Habitat for:  | ·  |
| <ul><li>☐ Vegetation type/p</li><li>Habitat for:</li><li>☐ Federally Listed</li><li>☐ Fish/Spawn Area</li></ul>  | ·  |
| <ul><li>☐ Vegetation type/p</li><li>Habitat for:</li><li>☐ Federally Listed</li><li>☐ Fish/Spawn Area</li></ul>  | entally-sensitive species Explain:                                 |
| <ul><li>□ Vegetation type/p</li><li>Habitat for:</li><li>□ Federally Listed</li><li>□ Fish/Spawn Area</li><li>□ Other environme</li><li>□ Aquatic/Wildlife</li></ul> | entally-sensitive species Explain:                                 |
| ☐ Vegetation type/p Habitat for: ☐ Federally Listed ☐ Fish/Spawn Area ☐ Other environme ☐ Aquatic/Wildlife  Characteristics of all we                                | entally-sensitive species Explain:  Diversity Explain:             |

| . SIGNIFICANT NEXUS DETERMINATIOI   | N   |
|---|---|
| 1. Significant nexus findings for non-linto TNW. Explain:   | RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gillespie I discharges, in combination with the godownstream manmade impoundment possibility of a hydrologic connection critical habitats were identified within does not provide lifecycle support fundrainage does not have more than a sbiological integrity of the TNW. There  | located more than 100 river miles from the nearest TNW, the Gila River Dam. An analysis of peak yearly discharges and potential flood eomorphology of the Analysis Area, the presence of a significant t (Tat Momolikot Dam), and the distance to the TNW, suggests that the between this drainage and the TNW is tenuous. No pollutants or a the Analysis Area. Additionally, this unnamed ephemeral drainage actions, nutrients, or organic carbon to species within the TNW. This speculative or insubstantial effect on the physical, chemical, and/or fore, this unnamed ephemeral drainage does not possess a significant River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for non-lor indirectly into TNW. Explain:   | RPW and its adjacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for wetla<br>Explain:   | ands adjacent to an RPW but that do not directly abut the RPW.  |
|   | AL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| ☐ TNWs: Linear Feet ☐ Wetlands adjacent to TNWs:  | Width (ft), Or, Acres Acres   |
| Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  | Acres   |
| ☐ TNWs: Linear Feet ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete.   | Acres  directly into TNWs.  nat flows directly or indirectly into a TNW and has a signficant nexus  |
| <ul> <li>□ TNWs: Linear Feet</li> <li>□ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):</li> <li>3. Non-RPWs that flow directly or incomplete the section of the section of</li></ul>    | Acres  directly into TNWs.  nat flows directly or indirectly into a TNW and has a signficant nexus ictional.  Width (feet): Acres:  |
| ☐ TNWs: Linear Feet ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete the section of the sec | Acres  directly into TNWs.  nat flows directly or indirectly into a TNW and has a signficant nexus ictional.  Width (feet): Acres:  |
| □ TNWs: Linear Feet □ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete in the section of the s | Acres  directly into TNWs.  nat flows directly or indirectly into a TNW and has a signficant nexus ictional.  Width (feet): Acres:  |
| □ TNWs: Linear Feet □ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete in the section of the s | directly into TNWs.  nat flows directly or indirectly into a TNW and has a signficant nexus ictional.  Width (feet):  Acres:  ds directly abutting RPWs):  ds adjacent to but not directly abutting RPWs):  that flow directly or indirectly into TNWs.  which, in combination with the tributary and other adjacent wetlands,  NW.   |
| □ TNWs: Linear Feet □ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete in the section III D 2 (RPWs):  □ Non-TNW/non-RPW waterbody the with a TNW, and is therfore jurisdict Length (Linear Feet):  Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland 6. Wetlands adjacent to non-RPWs to wetland adjacent to non-RPWs to wetlands adjacent to non-RP | directly into TNWs.  nat flows directly or indirectly into a TNW and has a signficant nexus ictional.  Width (feet):  Acres:  ds directly abutting RPWs):  ds adjacent to but not directly abutting RPWs):  that flow directly or indirectly into TNWs.  which, in combination with the tributary and other adjacent wetlands,  NW.  etland (in acres):   |
| □ TNWs: Linear Feet □ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete in the section of the s | directly into TNWs.  nat flows directly or indirectly into a TNW and has a signficant nexus ictional.  Width (feet):  Acres:  ds directly abutting RPWs):  ds adjacent to but not directly abutting RPWs):  that flow directly or indirectly into TNWs.  which, in combination with the tributary and other adjacent wetlands,  NW.  etland (in acres):   |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

# Feature ID: 11D1 As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 388.89 linear feet (ft), 5.78 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ✓ Other Photographs (Name and Date): Ground Photos; May 2012

Previous Determinations File No. and Date of Response Letter:

☐ Applicable/Supporting Case Law Citation:

Other Information, Please Specify: Additional Comments to Support JD:

Applicable/Supporting Scientific Literature Citation:

| SECTION I: BACKGROUND INFORM                       | 1ATION            |   |             |                       |
|--|-------------------|---|-------------|-----------------------|
| A. Report Completion Date for App                  | oroved Jurisdic   | tional Determination: 07/30/                                    | 2012        |                       |
| B. District Office and File No: Los                |                   |   | -           |                       |
| C. Project Location and Background                 | d Information:    | Drainage Feature 11D2   |             |                       |
| City, County, State Sif Oidak Dis                  | strict, Tohono    | O'odham Nation, Pima and Pina                                   | Counties, A | Arizona               |
| Center coordinates of site: Lat.                   | 32.5073           | Long111.9100  |             |                       |
| Name of nearest waterbody: Un                      | named Wash 1      | 11D2  |             |                       |
| Name of nearest downstream TNV                     | W: Gila River     | between Powers Butte and Gille                                  | spie Dam    |                       |
| HUC Code: 15050306                                 |                   |   |             |                       |
| ✓ Map/Diagram of potential juris                   | dictional area    | is available on request   |             |                       |
| D. Review Performed for Site Evalu                 | ation:            |   |             |                       |
| Office Determination. Date:                        |                   |   |             |                       |
| Field Determination. Date: 05/2                    | 2012              |   |             |                       |
| SECTION II: SUMMARY OF FINDING                     | GS                |   |             |                       |
| A. RHA Section 10 Determination                    |                   | 1   |             |                       |
|  |                   | vithin RHA jurisdiction in the rev                              | iew area.   |                       |
| B. CWA Section 404 Determination                   | n of Jurisdiction | าท  |             |                       |
|  |                   | CWA jurisdiction in the review a                                | irea.       |                       |
| 1. Waters of the US:                               |                   | •   |             |                       |
| Linear Feet  |                   | Width (ft) and/or   | Acres       |                       |
| Limits of Jurisdiction based on:                   |                   | Tradit (rej anaj e  | 7 10. 00    |                       |
| 2. Non-Regulated Waters/Wet                        | lande             |   |             |                       |
| <del>-</del>                                       |                   | etlands were assessed and deter                                 | rmined not  | to be jurisdictional: |
|  |                   |   |             | -                     |
| considered jurisdictional if                       | it possessed a    | ify as a TNW or RPW. Therefore, significant nexus with a downst |             | •                     |
| not possess a significant ne                       | exus with the c   | lownstream TNW.   |             |                       |
| SECTION III: CWA ANALYSIS                          |                   |   |             |                       |
| A. TNWs AND WETLANDS ADJACE                        | ENT TO TNWs       |   |             |                       |
| 1. Identified TNW:                                 |                   |   |             |                       |
| Rationale for TNW determinat                       | ion:              |   |             |                       |
| 2. Rationale for conclusion tha                    | it anv wetland    | s present are "adiacent":                                       |             |                       |
|  | ,                 | •   |             |                       |
| B. CHARACTERISTICS OF NON-TNV                      |                   | Tributaries flow to TNW:  |             | 4                     |
| TNW Watershed Size (sq mi): Drainage Area (sq mi): | 49650<br>0.00011  | River Miles from tributary                                      | to TNW.     | 30 (or more)          |
| Average Annual Rainfall (in):                      | 8.5               | River Miles from tributary                                      |             | 33 (31 111010)        |
| Average Annual Snowfall (in):                      | 0                 | Aerial Miles from tributar                                      |             | 30 (or more)          |
|  |                   | Aerial Miles from tributar                                      | •           | ,                     |
| ☐ Project waters cross or serv                     | ve as state bou   | indaries. Explain:  |             |                       |

Feature ID: 11D2

| Feature ID: 11D2  |  |   |
|---|--|---|
| Identify flow route to  | TNW:   |   |
| Unnamed drainages v   | vithin the Analysis Area   | a are ultimately tributary to the Santa Rosa Wash. Topography<br>ow is Santa Rosa Wash to the Santa Cruz Wash to the Gila                             |
| Tributary is: Natural Average Width (ft): Average Depth (ft): Average Side Slopes:  | Explain:  5.30 1 2:1 strate composition (che                           | eck all that apply):  |
| ✓ Silts ☐ Sands   | $\Box$ Cobbles $\Box$  | Bedrock 🗹 Gravel 🗌 Vegetation   |
| ☐ Concrete ☐ M  | luck Other, Explair  | n:  |
| Tributary Geometry:<br>Tributary Gradient (ap   | e/Pool Complexes. Exp<br>Relatively Straight<br>oproximate average slo |   |
| (c) Flow:   |  | ]   |
| Tributary Provides for:   | •  | Average Flow Events per year: 2-5   |
| Describe Flow Regime:<br>Surface Flow is:   | Ephemeral<br>Confined  | Other Information on Duration and Volume:  Characteristics:   |
| Subsurface Flow:  | No   |   |
| Tributary Has:  | INO  | Explain:  |
| <ul> <li>□ Bed and Banks</li> <li>☑ OHWM: OHWM Inc</li> <li>□ Clear, natural line i</li> <li>☑ Changes in soil cha</li> <li>□ Shelving</li> </ul> | mpressed on the bank   | <ul> <li>□ Vegetation matted down, bent or absent</li> <li>□ Leaf litter disturbed or washed away</li> <li>□ Presence of litter and debris</li> </ul> |
| ☐ Sediment deposition   | on   | ✓ Destruction of terrestrial vegetation   |
|   |  | About the section along the   |

# Sediment deposition ✓ Sediment sorting Scour Multiple observed or predicted flow events Presence of wrack line Other (list): Discontinuous? Explain: (iii) Chemical Characteristics: Characterize Tributary: Identify Specific Pollutants, if known:

| iv) Biological Characteristics. C   | Channel supports (check all that apply):                      |
|---|---|
| $\square$ Riparian Corridor Chara   | icteristics:  |
| ☐ Wetland Fringe Charact  | eristics:   |
| Habitat for:  |   |
| ☐ Federally Listed Species  | Explain:  |
| ☐ Fish/Spawn Areas  | Explain:  |
| $\square$ Other environmentally -   | ·   |
| ☐ Aquatic/Wildlife diversit   | y Explain:  |
| 2. Characteristics of wetlands a  | adjacent to non-TNW that flow directly or indirectly into TNW |
| i) Physical Characteristics:  |   |
| Wetland Size (ac):  | Wetland Type, Explain:  |
| Wetland Quality, Explain:   |   |
| •   | Serve as State Boundaries, Explain:                           |
| Wetland Flow is:  | Explain:  |
| Surface Flow is:  | Characteristics:  |
| Subsurface Flow:  | Explain Findings:   |
| ☐ Separated by berm/ba<br>Project Wetlands: River Mil<br>Project Wetlands: Aerial M<br>Flow is From:<br>Approximate Location of W | les from TNW: iles from TNW:                                  |
| (ii) Chemical Characteristics:  |   |
| Characterize Wetland Syste  | em:   |
| iii) Biological Characteristics. V  | Wetland supports (check all that apply):                      |
| ☐ Riparian Buffer Explain   | n:  |
| ☐ Vegetation type/percer  | nt cover. Explain:  |
| Habitat for:  |   |
| Federally Listed Specie   |   |
| ☐ Fish/Spawn Areas Ex   |   |
| Other environmentall  |   |
| ☐ Aquatic/Wildlife Diver  | rsity Explain:  |
| Characteristics of all wetlan   | ds adjacent to the non-TNW tributary (if any)                 |
| Characteristics of all wellall  |   |
| All wetland(s) considered in  |   |
| All wetland(s) considered in  |   |

| C. SIGNIFICANT NEXUS DI  | ETERMINATION  |
|--|---|
| 1. Significant nexus find into TNW. Explain:   | dings for non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte discharges, in combinat downstream manmade possibility of a hydrolog critical habitats were id does not provide lifecyedrainage does not have biological integrity of the   | ral drainage is located more than 100 river miles from the nearest TNW, the Gila River and Gillespie Dam. An analysis of peak yearly discharges and potential flood tion with the geomorphology of the Analysis Area, the presence of a significant impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the gic connection between this drainage and the TNW is tenuous. No pollutants or dentified within the Analysis Area. Additionally, this unnamed ephemeral drainage cole support functions, nutrients, or organic carbon to species within the TNW. This is more than a speculative or insubstantial effect on the physical, chemical, and/or the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant each of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus fin or indirectly into TNW.   | dings for non-RPW and its adjacent wetlands, where the non-RPW flows directly . Explain:  |
| 3. Significant nexus fin Explain:  | dings for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
| <ul><li>☐ TNWs:</li><li>☐ Wetlands adjacent</li></ul>  |   |
| •  | IDZ(RPWS):  |
| Reserved for Section III   |   |
| Reserved for Section III  3. Non-RPWs that flow  Non-TNW/non-RPW with a TNW, and is  | v directly or indirectly into TNWs.  V waterbody that flows directly or indirectly into a TNW and has a signficant nexus therfore jurisdictional.   |
| Reserved for Section III  3. Non-RPWs that flow  Non-TNW/non-RPW with a TNW, and is Length (Linear Feet)   | w directly or indirectly into TNWs.  W waterbody that flows directly or indirectly into a TNW and has a signficant nexus therfore jurisdictional.  S): Acres:   |
| Reserved for Section III  3. Non-RPWs that flow  Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet) Reserved for Section III  | w directly or indirectly into TNWs.  W waterbody that flows directly or indirectly into a TNW and has a signficant nexus therfore jurisdictional.  Width (feet): Acres:  II D 4 (Wetlands directly abutting RPWs):  |
| Reserved for Section III  3. Non-RPWs that flow  Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet) Reserved for Section III Reserved for Section III   | w directly or indirectly into TNWs.  W waterbody that flows directly or indirectly into a TNW and has a signficant nexus therfore jurisdictional.  Width (feet): Acres:  II D 4 (Wetlands directly abutting RPWs):  II D 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| Reserved for Section III  3. Non-RPWs that flow  Non-TNW/non-RPW with a TNW, and is a Length (Linear Feet) Reserved for Section III Reserved for Section III  6. Wetlands adjacent  Wetland adjacent thas a significant ne   | w directly or indirectly into TNWs.  W waterbody that flows directly or indirectly into a TNW and has a signficant nexus therfore jurisdictional.  Width (feet): Acres:  II D 4 (Wetlands directly abutting RPWs):  II D 5 (Wetlands adjacent to but not directly abutting RPWs):  to non-RPWs that flow directly or indirectly into TNWs.  to non-RPWs which, in combination with the tributary and other adjacent wetlands, exus with the TNW.  |
| Reserved for Section III  3. Non-RPWs that flow  Non-TNW/non-RPW with a TNW, and is a Length (Linear Feet) Reserved for Section III Reserved for Section III 6. Wetlands adjacent  Wetland adjacent thas a significant ne  | w directly or indirectly into TNWs.  W waterbody that flows directly or indirectly into a TNW and has a signficant nexus therfore jurisdictional.  Width (feet): Acres:  II D 4 (Wetlands directly abutting RPWs):  II D 5 (Wetlands adjacent to but not directly abutting RPWs):  to non-RPWs that flow directly or indirectly into TNWs.  to non-RPWs which, in combination with the tributary and other adjacent wetlands, exus with the TNW.  urisdictional wetland (in acres):   |
| Reserved for Section III  3. Non-RPWs that flow  Non-TNW/non-RPW with a TNW, and is a Length (Linear Feet) Reserved for Section III Reserved for Section III  6. Wetlands adjacent to has a significant need to be setting the size of justing the section III  Estimated size of justing the section III  Reserved for Section III  Section III  Estimated size of justing the section III  Reserved for Section III  Section III  Reserved for Section III  Reserved for Section III  Reserved for Section III  Reserved for Section III | w directly or indirectly into TNWs.  W waterbody that flows directly or indirectly into a TNW and has a signficant nexus therfore jurisdictional.  Width (feet): Acres:  II D 4 (Wetlands directly abutting RPWs):  II D 5 (Wetlands adjacent to but not directly abutting RPWs):  to non-RPWs that flow directly or indirectly into TNWs.  to non-RPWs which, in combination with the tributary and other adjacent wetlands, exus with the TNW.  urisdictional wetland (in acres):  jurisdictional waters.   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

# Feature ID: 11D2 As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 578.29 linear feet (ft), 5.30 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008

✓ Other Photographs (Name and Date): Ground Photos; May 2012☐ Previous Determinations File No. and Date of Response Letter:

☐ Applicable/Supporting Case Law Citation:

Other Information, Please Specify: Additional Comments to Support JD:

Applicable/Supporting Scientific Literature Citation:

| SECTION I: BACKGROUND INFORM   | MATION          |  |             |                       |
|--|-----------------|--|-------------|-----------------------|
| A. Report Completion Date for App  | oroved Jurisdic | tional Determination: 07/30/2  | 012         |                       |
| B. District Office and File No: Los  |                 |  |             |                       |
| C. Project Location and Background   | d Information:  | Drainage Feature 11E   |             |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono  | O'odham Nation, Pima and Pinal   | Counties, A | Arizona               |
| Center coordinates of site: Lat.   | 32.5073         | Long111.9100   |             |                       |
| Name of nearest waterbody: Un  | named Wash 1    | 11E  |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | W: Gila River   | between Powers Butte and Gilles  | spie Dam    |                       |
| ✓ Map/Diagram of potential juris   | dictional area  | is available on request  |             |                       |
| D. Review Performed for Site Evalu   |                 | ·  |             |                       |
| Office Determination. Date:  | iation.         |  |             |                       |
| Field Determination. Date: 05/2  | 2012            |  |             |                       |
|  |                 |  |             |                       |
| SECTION II: SUMMARY OF FINDING   |                 |  |             |                       |
| A. RHA Section 10 Determination  |                 |  |             |                       |
| _  |                 | vithin RHA jurisdiction in the revi  | ew area.    |                       |
| B. CWA Section 404 Determination   |                 |  |             |                       |
|  | ie U.S. Within  | CWA jurisdiction in the review a   | rea.        |                       |
| 1. Waters of the US:   |                 | 140 lol (6)  |             |                       |
| Linear Feet  |                 | Width (ft) and/or  | Acres       |                       |
| Limits of Jurisdiction based on:   |                 |  |             |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional was</li> </ol> |                 | retlands were assessed and deter   | mined not   | to be jurisdictional: |
|  | it possessed a  | lify as a TNW or RPW. Therefore, significant nexus with a downstrdownstream TNW. |             |                       |
| SECTION III: CWA ANALYSIS  |                 |  |             |                       |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs     |  |             |                       |
| 1. Identified TNW:   |                 |  |             |                       |
| Rationale for TNW determinat   | tion:           |  |             |                       |
| 2. Rationale for conclusion tha  | at any wetland  | s present are "adjacent":  |             |                       |
| B. CHARACTERISTICS OF NON-TN   | A/ TDIDI ITA DV | AND ITS ADJACENT WET ANDS  |             |                       |
| TNW Watershed Size (sq mi):  | 49650           | Tributaries flow to TNW:   |             | 4                     |
| Drainage Area (sq mi):   | 0.00019         | River Miles from tributary   | to TNW:     | 30 (or more)          |
| Average Annual Rainfall (in):  | 8.5             | River Miles from tributary   | to RPW:     |                       |
| Average Annual Snowfall (in):  | 0               | Aerial Miles from tributary<br>Aerial Miles from tributary                       |             | 30 (or more)          |
| ☐ Project waters cross or serv   | ve as state bou |  |             |                       |

Feature ID: 11E

| •  | •   |                                     | ultimately tributary to the Santa Rosa Wash. Topography Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|--|---|-------------------------------------|--|
| Tributary is: Natural  | Explain:  |                                     |  |
| Average Width (ft):  | 5.09  |                                     |  |
| Average Depth (ft):  | 1   |                                     |  |
| average Depth (it).  |   |                                     |  |
| Average Side Slopes:<br>Primary tributary sub  | 2:1<br>strate compositi                                       | •                                   |  |
| Average Side Slopes:  Primary tributary sub  ✓ Silts ☐ Sands  ☐ Concrete ☐ N             | 2:1 strate compositi Cobbles fuck Other,                      | ☐ Bedro                             |  |
| Average Side Slopes:  Primary tributary sub Silts Sands Concrete N Tributary Condition/S | 2:1 strate compositi Cobbles fluck Other, stability. Explain: | ☐ Bedro Explain:  Stable            |  |
| Average Side Slopes:  Primary tributary sub Silts Sands Concrete N Tributary Condition/S | 2:1 strate compositi Cobbles fluck Other, stability. Explain: | ☐ Bedro Explain:  Stable            |  |
| Average Side Slopes:  Primary tributary sub  Sands                                       | 2:1 strate compositi Cobbles fluck Other, stability. Explain: | Bedro Explain:  Stable es. Explain: | rock ☑ Gravel □ Vegetation   |

| (c) Flow:                  |                       |           |             |             |           |                   |
|----------------------------|-----------------------|-----------|-------------|-------------|-----------|-------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average I | Flow Ever   | nts per y   | ear:      | 2-5               |
| Describe Flow Regime:      | Ephemeral             | Other Inf | ormation    | on Dura     | ation and | d Volume:         |
| Surface Flow is:           | Confined              | Characte  | ristics:    |             |           |                   |
| Subsurface Flow:           | No                    | Explain:  |             |             |           |                   |
| Tributary Has:             |                       |           |             |             |           |                   |
| ☐ Bed and Banks            |                       |           |             |             |           |                   |
| ✓ OHWM: OHWM Inc           | dicators:             |           |             |             |           |                   |
|                            | impressed on the bank | □v        | egetatior/  | n matted    | down,     | bent or absent    |
| ✓ Changes in soil cha      | •                     |           | •           |             | -         | shed away         |
| ☐ Shelving                 |                       | □ P       | resence o   | of litter a | and debr  | ris               |
| ☐ Sediment deposition      | on                    |           | estructio   | n of terr   | estrial v | regetation        |
| Sediment sorting           |                       |           | brupt cha   | ange in p   | olant cor | nmunity           |
| ☐ Scour                    |                       |           | ⁄Iultiple o | bserved     | or predi  | icted flow events |
| ☐ Presence of wrack        | line                  | □ V       | Vater stai  | ining       |           |                   |
| Other (list):              |                       |           |             |             |           |                   |
| ☐ Discontinuous? Ex        | rplain:               |           |             |             |           |                   |
| (iii) Chemical Characteris | tics:                 |           |             |             |           |                   |
| Characterize Tributa       |                       |           |             |             |           |                   |
| Identify Specific Poll     | •                     |           |             |             |           |                   |
| identity Specific Follo    | atants, ii known.     |           |             |             |           |                   |
|                            |                       |           |             |             |           |                   |
|                            |                       |           |             |             |           |                   |
|                            |                       |           |             |             |           |                   |
|                            |                       |           |             |             |           |                   |

| iv) Biological Characterist   | ics. Channel supports (check all that apply):  |
|---|--|
| ☐ Riparian Corridor(  | Characteristics:   |
| ☐ Wetland Fringe Ch   | aracteristics:   |
| Habitat for:  |  |
| ☐ Federally Listed Spe  | ecies Explain:   |
| ☐ Fish/Spawn Areas  | Explain:   |
| •   | ally -sensitive species Explain:   |
| ☐ Aquatic/Wildlife div  | versity Explain:   |
|   | The state of the s |
| <ol><li>Characteristics of wetla<br/>(i) Physical Characteristics</li></ol> | ands adjacent to non-TNW that flow directly or indirectly into TNW :   |
| Wetland Size (ac):  | Wetland Type, Explain:   |
| Wetland Quality, Expla  | ain:   |
| Project Wetlands Cros   | ss or Serve as State Boundaries, Explain:  |
| Wetland Flow is:  | Explain:   |
| Surface Flow is:  | Characteristics:   |
| Subsurface Flow:  | Explain Findings:  |
| ☐ Wetland Directly Al   | butting Non-TNW  |
| ☐ Wetland Not Direct  | -  |
| ☐ Discrete wetland  | hydrologic connection Explain:   |
| ☐ Ecologcal connec  | ction Explain:   |
| $\square$ Separated by ber  | rm/barrier Explain:  |
| Project Wetlands: Rive  | er Miles from TNW:   |
| Project Wetlands: Aer   | ial Miles from TNW:  |
| Flow is From:   |  |
| Approximate Location  | of Wetland within Floodplain:  |
| (ii) Chemical Characteristic  | CS:  |
| Characterize Wetland  | System:  |
|   |  |
| -   | cics. Wetland supports (check all that apply):   |
| Riparian Buffer   |  |
|   | ercent cover. Explain:   |
| Habitat for:  | Constitution Finalistics   |
| ☐ Federally Listed S  |  |
| ☐ Fish/Spawn Area   | entally-sensitive species Explain:   |
|   | ·  |
| ☐ Aquatic/Wildlife  | Diversity Explain.   |
| ☐ Aquatic/Wildlife  |  |
| •   | etlands adjacent to the non-TNW tributary (if any)   |
| 3. Characteristics of all we  | etlands adjacent to the non-TNW tributary (if any) red in cumulative analysis:   |
| 3. Characteristics of all we All wetland(s) conside                         |  |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indir into TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Obetween Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significal downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drain does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW drainage does not have more than a speculative or insubstantial effect on the physical, chemical, an biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a signexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows dir or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPN Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs): | Gila River<br>int<br>is that the<br>or<br>nage<br>/. This<br>ind/or<br>gnificant<br>rectly |
|---|--|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significat downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drain does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a signexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows dir or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPV Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  Under Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres   | ont s that the or nage /. This nd/or gnificant rectly                                      |
| or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPN Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres   | ·  |
| Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres   | W.   |
| D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres   |  |
| Reserved for Section in B 2 (iii way).  |  |
| 2. Non DDMs that flavo directly or indirectly into TMMs   |  |
| <ul> <li>3. Non-RPWs that flow directly or indirectly into TNWs.</li> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant r with a TNW, and is therfore jurisdictional.</li> <li>Length (Linear Feet): Width (feet): Acres:</li> </ul>  | nexus  |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):   |  |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |  |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |  |
| ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent we has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):   | tlands,  |
| 7. Impoundments of jurisdictional waters.   |  |
| Demonstration of Jurisdiction:  |  |
| E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION WHICH COULD AFFECT INTERSTATE COMMERCE   | I OF   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 11E  |                         |                |                                       |          |
|--|-------------------------|----------------|---------------------------------------|----------|
| As described in Section 3C possess a significant nexus |                         |                | neral drainage determined that it did | not      |
| Explain finding of Other:                              |                         |                |                                       |          |
| ✓ Non-wetland waters                                   | 1028.49 linear          | r feet (ft),   | 5.09 width (ft)                       |          |
| <ul><li>☐ Other waters</li><li>☐ Wetlands</li></ul>    | acres                   |                |                                       |          |
| □ wetlands   | acres                   | S              |                                       |          |
| SECTION IV: DATA SOURCES                               |                         |                |                                       |          |
|  |                         | -              | sultant: WestLand Resources, Inc.     |          |
| ✓ Data Sheets Prepared/                                |                         | of Applicant   |                                       |          |
| Office Concurs with                                    |                         |                |                                       |          |
| <u></u>  | ncur with delineation   |                |                                       |          |
| ☐ Data Sheets Prepared b                               | •                       |                |                                       |          |
| ☐ Corps Navigable Water                                | •                       |                |                                       |          |
| ☐ US Geological Survey H                               | ydrologic Atlas         |                |                                       |          |
| USGS NHD Data  |                         |                |                                       |          |
| ☐ USGS 8 and 12 digi                                   | : HUC Map               |                |                                       |          |
| ✓ US Geological Survey M                               | lap(s) Scale and Qua    | ad Name:       |                                       |          |
| Silver Reef Mounta                                     | ins SE, North Komelik   | k, and Santa I | Rosa Mountains NW 7.5-Minute Qua      | drangles |
| ☐ USDA Nat'l Res Conserv                               | vation Service Soil Sur | rvey Citatio   | on:                                   |          |
| ☐ National Wetlands Inve                               |                         | Map Name:      |                                       |          |
| ☐ State/Local Wetland In                               |                         | '              |                                       |          |
| ☐ FEMA/FIR Maps  | · ·                     |                |                                       |          |
| ☐ 100-year Floodplain Ele                              | vation is:              |                | (National Geodetic Vertical Datum     | of 1929) |
| Aerial Photographs (N                                  | lame and Date): BING    | IG, Microsoft  | t Virtual Earth 2008                  |          |
| Other Photographs (N                                   | lame and Date): Gro     | ound Photos;   | May 2012                              |          |
| ☐ Previous Determination                               | ns File No. and Date    | of Response    | e Letter:                             |          |
| $\square$ Applicable/Supporting                        | Case Law Citation:      |                |                                       |          |
| ☐ Applicable/Supporting                                | Scientific Literature   | Citation:      |                                       |          |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM   | <u>MATION</u>    |  |                  |                            |
|--|------------------|--|------------------|----------------------------|
| A. Report Completion Date for App  | proved Jurisdic  | tional Determination:                  | 07/30/2012       |                            |
| B. District Office and File No: Los  |                  |  |                  |                            |
| C. Project Location and Background   | d Information:   | Drainage Feature 11                    | LE1              |                            |
| City, County, State Sif Oidak Dis  | strict, Tohono   | O'odham Nation, Pima                   | and Pinal Cour   | ities, Arizona             |
| Center coordinates of site: Lat.   | 32.5073          | Long111.9100                           |                  |                            |
| Name of nearest waterbody: Un  | named Wash 1     | 1E1                                    |                  |                            |
| Name of nearest downstream TNV   | N: Gila River    | between Powers Butte                   | and Gillespie [  | Dam                        |
| HUC Code: 15050306   |                  |  |                  |                            |
| ✓ Map/Diagram of potential juris   | dictional area i | is available on request                |                  |                            |
| D. Review Performed for Site Evalu   | iation:          |  |                  |                            |
| Office Determination. Date:  |                  |  |                  |                            |
| Field Determination. Date: 05/2  | 2012             |  |                  |                            |
| SECTION II: SUMMARY OF FINDIN  | GS               |  |                  |                            |
| A. RHA Section 10 Determination  |                  |  |                  |                            |
| There Are No "navigable waters   |                  |  | n the review ar  | ·ea.                       |
|  |                  | -                                      |                  |                            |
| B. CWA Section 404 Determination  There Are No "waters of the state of |                  | on<br>CWA jurisdiction in the          | roviow area      |                            |
|  | ie 0.3. Within   | CWA jurisuiction in the                | review area.     |                            |
| 1. Waters of the US:   |                  |  |                  |                            |
| Linear Feet  |                  | Width (ft) and/or                      | Acr              | es                         |
| Limits of Jurisdiction based on:   |                  |  |                  |                            |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional was</li> </ol>   |                  | etlands were assessed a                | and determine    | d not to be jurisdictional |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne  | it possessed a   | significant nexus with a               | •                | ,                          |
| SECTION III: CWA ANALYSIS  |                  |  |                  |                            |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs      |  |                  |                            |
| 1. Identified TNW:   |                  |  |                  |                            |
| Rationale for TNW determinat   | tion:            |  |                  |                            |
| 2. Rationale for conclusion tha  | nt any wetland:  | s present are "adjacent'               | ":               |                            |
| B. CHARACTERISTICS OF NON-TNV  | W TRIBUTARY      | AND ITS ADJACENT WET                   | TLANDS           |                            |
| TNW Watershed Size (sq mi):  | 49650            | Tributaries flow t                     | to TNW:          | 4                          |
| Drainage Area (sq mi):   | 0.00002          | River Miles from                       | tributary to Ti  | NW: 30 (or more)           |
| Average Annual Rainfall (in):  | 8.5              | River Miles from                       | tributary to RI  | PW:                        |
| Average Annual Snowfall (in):  | 0                | Aerial Miles from<br>Aerial Miles from | •                |                            |
| ☐ Project waters cross or serv   | ve as state hou  |  | . cribatary to N | • • •                      |

Feature ID: 11E1

| ature ID: 11E1                                |                  |   |
|---|------------------|---|
| Identify flow route to                        |                  |   |
| •   | •                | s Area are ultimately tributary to the Santa Rosa Wash. Topography Itial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural                         | Explain:         |   |
| Average Width (ft):                           | 3.13             |   |
| Average Depth (ft):                           | 1                |   |
| Average Side Slopes:                          | 2:1              |   |
| Dulma a.m., tuilata                           |                  | on (also also all that a souls is   |
|   | •                | on (check all that apply):  |
| ✓ Silts ☐ Sands                               | ☐ Cobbles        | ☐ Bedrock ☑ Gravel ☐ Vegetation   |
| ☐ Concrete ☐ M                                | luck Other, E    | xplain:   |
| Tributary Condition/S                         | tahility Explain | Stable  |
| Presence of Run/Riffle                        |                  |   |
| Tributary Geometry:                           | Relatively Strai | ·   |
| Tributary Geometry:<br>Tributary Gradient (a) |                  |   |
| Tributary Gradient (a)                        | proximate averag | ge 310pe).  |
|   |                  |   |
|   |                  |   |
|   |                  |   |
|   |                  |   |
|   |                  |   |
|   |                  |   |
|   |                  |   |
| Flow:   |                  |   |
| ibutary Provides for:                         | Ephemeral Flow   | Average Flow Events per year: 2-5   |
| ibutary Provides for: escribe Flow Regime:    | Ephemeral        | Other Information on Duration and Volume:   |
| ibutary Provides for:                         | •                |   |

☐ Bed and Banks ✓ OHWM: OHWM Indicators: ☐ Clear, natural line impressed on the bank ☐ Vegetation matted down, bent or absent ✓ Changes in soil character ☐ Leaf litter disturbed or washed away ☐ Shelving ☐ Presence of litter and debris ☐ Sediment deposition **✓** Destruction of terrestrial vegetation ✓ Sediment sorting ☐ Abrupt change in plant community ☐ Scour ☐ Multiple observed or predicted flow events ☐ Presence of wrack line ☐ Water staining Other (list): ☐ Discontinuous? Explain: (iii) Chemical Characteristics: Characterize Tributary: Identify Specific Pollutants, if known:

| Federally Listed Species   | ological Characteristics    | . Channel supports (check all that apply):                     |       |
|--|-----------------------------|--|-------|
| Sittat for: Federally Listed Species   | Riparian Corridor Cha       | racteristics:  |       |
| Federally Listed Species   | Wetland Fringe Chara        | cteristics:  |       |
| Fish/Spawn Areas   | abitat for:                 |  |       |
| Other environmentally -sensitive species   | Federally Listed Specie     | es Explain:  |       |
| Aquatic/Wildlife diversity Explain:  racteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW ital Characteristics:  etland Size (ac):   | Fish/Spawn Areas            | Explain:   |       |
| racteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW isiacl Characteristics:  etland Size (ac):  etland Quality, Explain:  oject Wetlands Cross or Serve as State Boundaries, Explain:  etland Flow is:  Explain:  rface Flow is:  bsurface Flow:  Explain Findings:  Wetland Directly Abutting Non-TNW  Wetland Directly Abutting Non-TNW  Discrete wetland hydrologic connection  Explain:  Separated by berm/barrier Explain:  oject Wetlands: River Miles from TNW:  object Wetlands: Aerial Miles from TNW:  ovis is From:  proximate Location of Wetland within Floodplain:  mical Characteristics:  aracterize Wetland System:  logical Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain:  Vegetation type/percent cover. Explain:  bitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Gother environmentally-sensitive species Explain:  Aquatic/Wildlife Diversity Explain:  racteristics of all wetlands adjacent to the non-TNW tributary (if any)   | Other environmentally       | y-sensitive species Explain:                                   |       |
| ical Characteristics:  etland Size (ac):  etland Quality, Explain:  oject Wetlands Cross or Serve as State Boundaries, Explain:  etland Flow is:  etland Flow is:  Explain:  frace Flow is:  bsurface Flow:  Wetland Directly Abutting Non-TNW  Wetland Directly Abutting Non-TNW  Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Scological connection Explain:  Separated by berm/barrier Explain:  Oject Wetlands: River Miles from TNW:  Digect Wetlands: Aerial Miles from TNW:  Digect Wetlands: A | Aquatic/Wildlife divers     | sity Explain:  |       |
| ical Characteristics:  etland Size (ac):  etland Quality, Explain:  oject Wetlands Cross or Serve as State Boundaries, Explain:  etland Flow is:  etland Flow is:  Explain:  frace Flow is:  bsurface Flow:  Wetland Directly Abutting Non-TNW  Wetland Directly Abutting Non-TNW  Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Scological connection Explain:  Separated by berm/barrier Explain:  Oject Wetlands: River Miles from TNW:  Digect Wetlands: Aerial Miles from TNW:  Digect Wetlands: A | aractoristics of wotland    | s adjacent to non TNW that flow directly or indirectly into T  | NI\A/ |
| etland Size (ac): Wetland Type, Explain: etland Quality, Explain: oject Wetlands Cross or Serve as State Boundaries, Explain: etland Flow is: Explain: rface Flow is: Characteristics: bsurface Flow: Explain Findings:  Wetland Directly Abutting Non-TNW Wetland Not Directly Abutting Non-TNW Discrete wetland hydrologic connection Explain: Ecological connection Explain: Separated by berm/barrier Explain: Separated by berm/barrier Explain: Separated by berm/barrier Finding: Separated by berm/barrier Finding: Separated by berm/barrier Explain: Separated by berm/barrier Explain |                             | s adjacent to non-riviv that now directly of munectly into the | 14 00 |
| etland Quality, Explain:  Diect Wetlands Cross or Serve as State Boundaries, Explain:  etland Flow is:  Explain:  Characteristics:  bsurface Flow:  Explain Findings:  Wetland Directly Abutting Non-TNW  Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Ecological connection Explain:  Separated by berm/barrier Explain:  Diect Wetlands: River Miles from TNW:  Diect Wetlands: Aerial Miles from TNW:  Diect Wet |                             | Wotland Type Evalains  |       |
| poject Wetlands Cross or Serve as State Boundaries, Explain: etland Flow is:   | • •                         |  |       |
| etland Flow is:  rface Flow is:  Characteristics: bsurface Flow:  Explain Findings:  Wetland Directly Abutting Non-TNW  Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Ecological connection Explain:  Separated by berm/barrier Explain:  Digect Wetlands: River Miles from TNW:  Digect Wetlands: Aerial Miles from TNW:  Digect W | •                           |  |       |
| rface Flow is: bsurface Flow: Explain Findings:  Wetland Directly Abutting Non-TNW Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain: Ecological connection Explain: Separated by berm/barrier Explain: oject Wetlands: River Miles from TNW: biget Wetlands: Aerial Miles from TNW: brown is From: proximate Location of Wetland within Floodplain:  mical Characteristics: aracterize Wetland System: logical Characteristics. Wetland supports (check all that apply): Riparian Buffer Explain: Vegetation type/percent cover. Explain: bitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain:  practeristics of all wetlands adjacent to the non-TNW tributary (if any)   | •                           | ·  |       |
| bsurface Flow: Explain Findings:  Wetland Directly Abutting Non-TNW  Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Ecological connection Explain:  Separated by berm/barrier Explain:  Diject Wetlands: River Miles from TNW:  Diject Wetlands: Aerial Miles from TNW:  Diject Wetlands: A |                             | ·  |       |
| Wetland Directly Abutting Non-TNW  Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Ecological connection Explain:  Separated by berm/barrier Explain:  Diject Wetlands: River Miles from TNW:  Diject Wetlands: Aerial Miles from TNW:  Diject Wetl |                             |  |       |
| Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Ecological connection Explain:  Separated by berm/barrier Explain:  Diject Wetlands: River Miles from TNW:  Diject Wetlands: Aerial Miles from TNW:  Dijec |                             |  |       |
| Discrete wetland hydrologic connection   | •                           | -  |       |
| Ecological connection Explain:  Separated by berm/barrier Explain:  Dject Wetlands: River Miles from TNW:  Dject Wetlands: Aerial Miles from TNW:  Diect Wetlands: Aer | ·                           |  |       |
| Separated by berm/barrier Explain:  Digect Wetlands: River Miles from TNW: Digect Wetlands: Aerial Miles from TNW: Digect Wetlands: Wetland within Floodplain:  mical Characteristics:  aracterize Wetland System:  logical Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain:  Vegetation type/percent cover. Explain: Ditat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain:  racteristics of all wetlands adjacent to the non-TNW tributary (if any)  | •                           | ·  |       |
| oject Wetlands: River Miles from TNW: oject Wetlands: Aerial Miles from TNW: ow is From: proximate Location of Wetland within Floodplain: mical Characteristics: aracterize Wetland System: logical Characteristics. Wetland supports (check all that apply): Riparian Buffer Explain: Vegetation type/percent cover. Explain: bitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain: racteristics of all wetlands adjacent to the non-TNW tributary (if any)   | _                           | ·  |       |
| proximate Location of Wetland within Floodplain:  mical Characteristics: aracterize Wetland System:  logical Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain:  Vegetation type/percent cover. Explain: bitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally-sensitive species Explain:  Aquatic/Wildlife Diversity Explain:  racteristics of all wetlands adjacent to the non-TNW tributary (if any)   |                             | ·  |       |
| proximate Location of Wetland within Floodplain:  mical Characteristics: aracterize Wetland System:  logical Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain:  Vegetation type/percent cover. Explain: bitat for:  Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain:  racteristics of all wetlands adjacent to the non-TNW tributary (if any)  | •                           |  |       |
| mical Characteristics: aracterize Wetland System:  logical Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain:  Vegetation type/percent cover. Explain: bitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally-sensitive species Explain:  Aquatic/Wildlife Diversity Explain:  racteristics of all wetlands adjacent to the non-TNW tributary (if any)   | •                           | whies from flyw.   |       |
| mical Characteristics: aracterize Wetland System:  logical Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain:  Vegetation type/percent cover. Explain: bitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally-sensitive species Explain:  Aquatic/Wildlife Diversity Explain:  racteristics of all wetlands adjacent to the non-TNW tributary (if any)   |                             | Wetland within Floodplain:                                     |       |
| logical Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain:  Vegetation type/percent cover. Explain: bitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain: racteristics of all wetlands adjacent to the non-TNW tributary (if any)   |                             | Wedana Wamin noodplam.   |       |
| logical Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain:  Vegetation type/percent cover. Explain: bitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally-sensitive species Explain:  Aquatic/Wildlife Diversity Explain:  racteristics of all wetlands adjacent to the non-TNW tributary (if any)  |                             |  |       |
| Riparian Buffer Explain:  Vegetation type/percent cover. Explain: bitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain: racteristics of all wetlands adjacent to the non-TNW tributary (if any)  | haracterize Wetland Sys     | stem:  |       |
| Vegetation type/percent cover. Explain: bitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain: racteristics of all wetlands adjacent to the non-TNW tributary (if any)  | ological Characteristics    | . Wetland supports (check all that apply):                     |       |
| Vegetation type/percent cover. Explain: bitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain: racteristics of all wetlands adjacent to the non-TNW tributary (if any)  | Riparian Buffer Expl        | ain:   |       |
| Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally-sensitive species Explain:  Aquatic/Wildlife Diversity Explain:  racteristics of all wetlands adjacent to the non-TNW tributary (if any)   | ·                           |  |       |
| Fish/Spawn Areas Explain:  Other environmentally-sensitive species Explain:  Aquatic/Wildlife Diversity Explain:  racteristics of all wetlands adjacent to the non-TNW tributary (if any)  | labitat for:                | ,  |       |
| Other environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain: racteristics of all wetlands adjacent to the non-TNW tributary (if any)   | ☐ Federally Listed Spe      | cies Explain:  |       |
| Aquatic/Wildlife Diversity Explain:  racteristics of all wetlands adjacent to the non-TNW tributary (if any)   | ☐ Fish/Spawn Areas          | Explain:   |       |
| racteristics of all wetlands adjacent to the non-TNW tributary (if any)  | $\square$ Other environment | ally-sensitive species Explain:                                |       |
|  | ☐ Aquatic/Wildlife Div      | versity Explain:   |       |
|  | aracteristics of all wetla  | ands adjacent to the non-TNW tributary (if any)                |       |
| watland(s) considered in cumulative analysis:  |                             |  |       |
| wetland(s) considered in cumulative analysis: etland acres in total being considered in cumulative analysis:   | Il watland(c) cancidaras    |  |       |

| . SIGNIFICANT NEXUS DETERMINATION  | N   |
|--|---|
| 1. Significant nexus findings for non-Rinto TNW. Explain:  | RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gillespie D<br>discharges, in combination with the ge<br>downstream manmade impoundment<br>possibility of a hydrologic connection of<br>critical habitats were identified within<br>does not provide lifecycle support fun-<br>drainage does not have more than a se<br>biological integrity of the TNW. Therefore  | ocated more than 100 river miles from the nearest TNW, the Gila River Dam. An analysis of peak yearly discharges and potential flood ecomorphology of the Analysis Area, the presence of a significant (Tat Momolikot Dam), and the distance to the TNW, suggests that the between this drainage and the TNW is tenuous. No pollutants or the Analysis Area. Additionally, this unnamed ephemeral drainage ctions, nutrients, or organic carbon to species within the TNW. This peculative or insubstantial effect on the physical, chemical, and/or fore, this unnamed ephemeral drainage does not possess a significant River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for non-For indirectly into TNW. Explain:  | RPW and its adjacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for wetla<br>Explain:  | ands adjacent to an RPW but that do not directly abut the RPW.  |
| DETERMINATIONS OF HIRISDICTIONA  | AL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| . DETERMINATIONS OF JURISDICTIONA  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  | AL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  Width (ft), Or,  Acres  Acres   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):   | Width (ft), Or, Acres   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or inc.  Non-TNW/non-RPW waterbody th with a TNW, and is therfore jurisdi Length (Linear Feet):   | Width (ft), Or,  Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete in the section of the sec | Width (ft), Or,  Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  s directly abutting RPWs):   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or inc  Non-TNW/non-RPW waterbody th with a TNW, and is therfore jurisdi Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands)  | Width (ft), Or, Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet): Acres:  s directly abutting RPWs):  s adjacent to but not directly abutting RPWs):   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete in the section of the sec | Width (ft), Or, Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a significant nexus ctional.  Width (feet): Acres:  s directly abutting RPWs):  s adjacent to but not directly abutting RPWs):  that flow directly or indirectly into TNWs.   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or inc.  Non-TNW/non-RPW waterbody th with a TNW, and is therfore jurisdi Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs to whas a significant nexus with the TN   | Width (ft), Or,  Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  s directly abutting RPWs):  s adjacent to but not directly abutting RPWs):  that flow directly or indirectly into TNWs.  which, in combination with the tributary and other adjacent wetlands, NW.   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or inc.  Non-TNW/non-RPW waterbody th with a TNW, and is therfore jurisdi Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs whas a significant nexus with the TN Estimated size of jurisdictional wetens.   | Width (ft), Or,  Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  s directly abutting RPWs):  s adjacent to but not directly abutting RPWs):  that flow directly or indirectly into TNWs.  which, in combination with the tributary and other adjacent wetlands, NW.  etland (in acres):   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or inc.  Non-TNW/non-RPW waterbody th with a TNW, and is therfore jurisdi Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs to whas a significant nexus with the TN   | Width (ft), Or,  Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  s directly abutting RPWs):  s adjacent to but not directly abutting RPWs):  that flow directly or indirectly into TNWs.  which, in combination with the tributary and other adjacent wetlands, NW.  etland (in acres):   |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

# Feature ID: 11E1 As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 218.87 linear feet (ft), 3.13 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ✓ Other Photographs (Name and Date): Ground Photos; May 2012 Previous Determinations File No. and Date of Response Letter:

☐ Applicable/Supporting Case Law Citation:

Other Information, Please Specify: Additional Comments to Support JD:

Applicable/Supporting Scientific Literature Citation:

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>       |                        |  |                       |
|--|---------------------|------------------------|--|-----------------------|
| A. Report Completion Date for App  | roved Jurisdiction  | nal Determination:     | 07/30/2012                                 |                       |
| B. District Office and File No: Los  |                     |                        | ,,   |                       |
| C. Project Location and Background   | d Information:      | Orainage Feature 1     | 1F   |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono O'o  | dham Nation, Pima      | and Pinal Counties, A                      | Arizona               |
| Center coordinates of site: Lat. 3   | 32.5073             | Long111.9100           | 0  |                       |
| Name of nearest waterbody: Unr   | named Wash 11F      |                        |  |                       |
| Name of nearest downstream TNV   | V: Gila River bet   | ween Powers Butte      | and Gillespie Dam                          |                       |
| HUC Code: 15050306   |                     |                        |  |                       |
| ✓ Map/Diagram of potential juriso  | dictional area is a | vailable on request    |  |                       |
| D. Review Performed for Site Evalu   | ation:              |                        |  |                       |
| Office Determination. Date:  |                     |                        |  |                       |
| Field Determination. Date: 05/2  | 2012                |                        |  |                       |
| SECTION III SUMMARY OF FINDING   | 35                  |                        |  |                       |
| A. RHA Section 10 Determination  | <del></del>         |                        |  |                       |
| There Are No "navigable waters   |                     | in RHA iurisdiction i  | n the review area.                         |                       |
| B. CWA Section 404 Determinatio  |                     |                        |  |                       |
|  |                     | /A jurisdiction in the | e review area.                             |                       |
| 1. Waters of the US:   |                     | <b>,</b>               |  |                       |
| Linear Feet  | W                   | idth (ft) and/or       | Acres                                      |                       |
| Limits of Jurisdiction based on:   |                     | . , ,                  |  |                       |
| 2 Non Regulated Waters (Wet  | lander              |                        |  |                       |
| <ol> <li>Non-Regulated Waters/Wetl</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                     | ands were assessed     | and determined not                         | to be iurisdictional: |
| Drainage is ephemeral and  |                     |                        |  | •                     |
| considered jurisdictional if   |                     |                        |  | •                     |
| not possess a significant ne   | xus with the dow    | nstream TNW.           |  |                       |
| SECTION III: CWA ANALYSIS  |                     |                        |  |                       |
| A. TNWs AND WETLANDS ADJACE  | NT TO TNWs          |                        |  |                       |
| 1. Identified TNW:   |                     |                        |  |                       |
| Rationale for TNW determinat   | ion:                |                        |  |                       |
| 2. Rationale for conclusion tha  | t any wetlands nr   | resent are "adiacent   | .11.                                       |                       |
| 2. Nationale for conclusion tha  | tany wetlands pr    | esent are adjacent     | •  |                       |
| B. CHARACTERISTICS OF NON-TN\  |                     |                        |  |                       |
| TNW Watershed Size (sq mi):  | 49650               | Tributaries flow       |  | 4<br>20 (or more)     |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                   | 0.00018<br>8.5      |                        | n tributary to TNW:<br>n tributary to RPW: | 30 (or more)          |
| Average Annual Snowfall (in):  | 0                   |                        | n tributary to TNW:                        | 30 (or more)          |
|  | ~                   |                        | n tributary to RPW:                        |                       |
| ☐ Project waters cross or serv   | e as state bounda   | aries. Explain:        |  |                       |

Feature ID: 11F

| _  | •  | e ultimately tributary to the Santa Rosa Wash. Topography is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|--|--|---|
| Tributary is: Natural  | Explain:   |   |
| Average Width (ft):  | 5.41   |   |
| Average Depth (ft):  | 1  |   |
| A C: d. Clausas  | 2.1  |   |
| Primary tributary sub  | strate composition (check  |   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M   | strate composition (check   Cobbles Bed  Muck Other, Explain:                            | all that apply):<br>rock ☑ Gravel ☐ Vegetation  |
| Primary tributary sub  Silts  Sands  Concrete  | strate composition (check  Cobbles Bed  Muck Other, Explain:  Stability. Explain: Stable | rock ☑ Gravel ☐ Vegetation  |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/S Presence of Run/Riffl                     | strate composition (check  | rock ☑ Gravel □ Vegetation  |
| Primary tributary sub Silts Sands Concrete M Tributary Condition/S Presence of Run/Riffl Tributary Geometry: | strate composition (check  Cobbles Bed  Muck Other, Explain:  Stability. Explain: Stable | rock  |

| (c) Flow:                  |                       |   |   |            |                  |  |  |
|----------------------------|-----------------------|---|---|------------|------------------|--|--|
| Tributary Provides for:    | Ephemeral Flow        | Average                                 | Average Flow Events per year: 2-5       |            |                  |  |  |
| Describe Flow Regime:      | Ephemeral             | Other Inf                               | Other Information on Duration and Volum |            |                  |  |  |
| Surface Flow is:           | Confined              | Characte                                | ristics:                                |            |                  |  |  |
| Subsurface Flow:           | No                    | Explain:                                |   |            |                  |  |  |
| Tributary Has:             |                       |   |   |            |                  |  |  |
|                            |                       |   |   |            |                  |  |  |
| ✓ OHWM: OHWM Inc           | dicators:             |   |   |            |                  |  |  |
|                            | impressed on the bank | □ \                                     | /egetation matte                        | d down, l  | pent or absent   |  |  |
| ✓ Changes in soil cha      | •                     |   | eaf litter disturbe                     |            |                  |  |  |
| ☐ Shelving                 |                       | □ P                                     | Presence of litter                      | and debr   | is               |  |  |
| ☐ Sediment deposition      | on                    | ✓ Destruction of terrestrial vegetation |   |            |                  |  |  |
| Sediment sorting           |                       |   | Abrupt change in <sub>I</sub>           | plant con  | nmunity          |  |  |
| ☐ Scour                    |                       |   | Multiple observed                       | l or predi | cted flow events |  |  |
| ☐ Presence of wrack        | line                  | □ <b>v</b>                              | Water staining                          |            |                  |  |  |
| Other (list):              |                       |   |   |            |                  |  |  |
| ☐ Discontinuous? Ex        | kplain:               |   |   |            |                  |  |  |
| (iii) Chemical Characteris | tice:                 |   |   |            |                  |  |  |
| •                          |                       |   |   |            |                  |  |  |
| Characterize Tributa       | •                     |   |   |            |                  |  |  |
| Identify Specific Poll     | utants, if known:     |   |   |            |                  |  |  |
|                            |                       |   |   |            |                  |  |  |
|                            |                       |   |   |            |                  |  |  |
|                            |                       |   |   |            |                  |  |  |
|                            |                       |   |   |            |                  |  |  |

| Feature ID: 11F  |                   |
|--|-------------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |                   |
| Riparian Corridor Characteristics:   |                   |
| ☐ Wetland Fringe Characteristics:  |                   |
| Habitat for:   |                   |
| Federally Listed Species Explain:  |                   |
| ☐ Fish/Spawn Areas Explain:  |                   |
| Other environmentally -sensitive species Explain:  |                   |
| ☐ Aquatic/Wildlife diversity Explain:  |                   |
| <ul><li>2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW</li><li>(i) Physical Characteristics:</li></ul> |                   |
| Wetland Size (ac): Wetland Type, Explain:  |                   |
| Wetland Quality, Explain:  |                   |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |                   |
| Wetland Flow is: Explain:  |                   |
| Surface Flow is: Characteristics:  |                   |
| Subsurface Flow: Explain Findings:   |                   |
| ☐ Wetland Directly Abutting Non-TNW  |                   |
| ☐ Wetland Not Directly Abutting Non-TNW  |                   |
| ☐ Discrete wetland hydrologic connection Explain:  |                   |
| Ecological connection Explain:   |                   |
| ☐ Separated by berm/barrier Explain:   |                   |
| Project Wetlands: River Miles from TNW:  |                   |
| Project Wetlands: Aerial Miles from TNW:   |                   |
| Flow is From:  |                   |
| Approximate Location of Wetland within Floodplain:   |                   |
| (ii) Chemical Characteristics:   |                   |
| Characterize Wetland System:   |                   |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |                   |
| ☐ Riparian Buffer Explain:   |                   |
| ☐ Vegetation type/percent cover. Explain:  |                   |
| Habitat for:   |                   |
| Federally Listed Species Explain:  |                   |
| ☐ Fish/Spawn Areas Explain:  |                   |
| <ul><li>☐ Other environmentally-sensitive species Explain:</li><li>☐ Aquatic/Wildlife Diversity Explain:</li></ul>                                   |                   |
|  |                   |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |                   |
| All wetland(s) considered in cumulative analysis:  |                   |
| Wetland acres in total being considered in cumulative analysis:  |                   |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or phys  | sical functions): |
|  |                   |
|  |                   |

| C. SIGNIFICANT NEXUS DETERMINATION   |   |
|--|---|
| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indire into TNW. Explain:  | ctly                                    |
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gibetween Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests to possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants of critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. Indicated the TNW is a special provided integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant to the TNW reach of the Gila River between Powers Butte and Gillespie Dam. | t<br>hat the<br>r<br>age<br>This<br>/or |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows dire or indirectly into TNW. Explain:   | ectly                                   |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW Explain:   | 1.                                      |
| D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  |   |
| Reserved for Section III D 2 (RPWs):   |   |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  |   |
| <ul> <li>□ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant new with a TNW, and is therfore jurisdictional.</li> <li>Length (Linear Feet):</li> <li>Width (feet):</li> </ul> Acres:   | exus                                    |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |   |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |   |
| <ul> <li>□ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetl has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> </ul>  | ands,                                   |
| 7. Impoundments of jurisdictional waters.  |   |
| Demonstration of Jurisdiction:   |   |
| E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE   | OF                                      |
| Supporting rationale:  |   |
| Length (linear feet): Acres:   |   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID:                               | 11F   |   |  |              |                  |                |        |
|---|---|---|--|--------------|------------------|----------------|--------|
|   |   | 3C1 above, an anal-<br>cus with the neares  |  | neral draina | ge determined    | that it did no | t      |
| Explain fi                                | iding of Other  | :   |  |              |                  |                |        |
| ✓ Non-w  ☐ Other  ☐ Wetlar                |   | 926.82  | linear feet (ft),<br>acres<br>acres        | 5.41         | width (ft)       |                |        |
| SECTION IV: I                             | OATA SOURCE   | S   |  |              |                  |                |        |
| Data S  Off Off Data S  Corps US Ge US Ge | heets Prepare<br>ice Concurs w<br>ice Does Not (<br>heets Prepare<br>Navigable Wa<br>blogical Surve<br>GS NHD Data<br>GS 8 and 12 d | r Plat Submitted by ed/Submitted on be ed/Submitted on be eith delineation Concur with delineated by the Corps ter Study y Hydrologic Atlas ligit HUC Map y Map(s) Scale and entains SE, North Ko | half of Applicant<br>ation<br>d Quad Name: |              |                  |                | angles |
| ☐ Nation☐ State/☐ FEMA☐ 100-ye            | al Wetlands II<br>Local Wetland<br>FIR Maps<br>Par Floodplain   | Inventory Maps  | Cite Map Name:                             | (National    | Geodetic Vertice | cal Datum of   | 1929)  |
|   |   | (Name and Date):  |  |              | ui 2006          |                |        |
|   |   | tions File No. and  |  |              |                  |                |        |
|   | able/Supporti   | _   |  |              |                  |                |        |
| □ Application                             | able/Supporti   | ng Scientific Literati  | ure Citation:                              |              |                  |                |        |

Other Information, Please Specify:

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>       |                         |  |                      |
|---|---------------------|-------------------------|--|----------------------|
| A. Report Completion Date for App   | oroved Jurisdiction | onal Determination:     | 07/30/2012                             |                      |
| B. District Office and File No: Los   |                     |                         |  |                      |
| C. Project Location and Background  | d Information:      | Drainage Feature 11     | .G                                     |                      |
| City, County, State Sif Oidak Dis   | strict, Tohono O'   | odham Nation, Pima a    | and Pinal Counties,                    | Arizona              |
| Center coordinates of site: Lat.  | 32.5073             | Long111.9100            |  |                      |
| Name of nearest waterbody: Uni  | named Wash 11       | G                       |  |                      |
| Name of nearest downstream TN\  | W: Gila River be    | etween Powers Butte     | and Gillespie Dam                      |                      |
| HUC Code: 15050306  |                     |                         |  |                      |
| ✓ Map/Diagram of potential jurise   | dictional area is   | available on request    |  |                      |
| D. Review Performed for Site Evalu  |                     |                         |  |                      |
|   | iation.             |                         |  |                      |
| Office Determination. Date:   | 2042                |                         |  |                      |
| Field Determination. Date: 05/2   | 2012                |                         |  |                      |
| SECTION II: SUMMARY OF FINDING  | <u>GS</u>           |                         |  |                      |
| A. RHA Section 10 Determination   | of Jurisdiction     |                         |  |                      |
| There Are No "navigable waters  | of the U.S." wit    | hin RHA jurisdiction ir | n the review area.                     |                      |
| B. CWA Section 404 Determination There Are No "waters of the state of |                     | WA jurisdiction in the  | review area.                           |                      |
| 1. Waters of the US:  |                     |                         |  |                      |
| Linear Feet   | \                   | Width (ft) and/or       | Acres                                  |                      |
| Limits of Jurisdiction based on:  |                     |                         |  |                      |
| 2. Non-Regulated Waters/Wet   | lands:              |                         |  |                      |
| ✓ Potentially jurisdictional wa   |                     | lands were assessed a   | and determined not                     | to be jurisdictional |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne   | it possessed a si   | gnificant nexus with a  |  | •                    |
| SECTION III: CWA ANALYSIS   |                     |                         |  |                      |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs         |                         |  |                      |
| 1. Identified TNW:  |                     |                         |  |                      |
| Rationale for TNW determinat  | ion:                |                         |  |                      |
|   |                     |                         |  |                      |
| 2. Rationale for conclusion tha   | it any wetlands p   | present are "adjacent"  | <b>':</b>                              |                      |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY A       | ND ITS ADJACENT WET     | TLANDS                                 |                      |
| TNW Watershed Size (sq mi):   | 49650               | Tributaries flow t      | to TNW:                                | 4                    |
| Drainage Area (sq mi):  | 0.00005             |                         | tributary to TNW:                      | 30 (or more)         |
| Average Annual Rainfall (in):   | 8.5                 |                         | tributary to RPW:                      |                      |
| Average Annual Snowfall (in):   | 0                   |                         | tributary to TNW:<br>tributary to RPW: | 30 (or more)         |
| Project waters cross or serv  | e as state hound    | daries Explain          |  |                      |

Feature ID: 11G

| Identify flow route to TNW:  Unnamed drainages within the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography suggests the most likely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila River.  Tributary is: Natural   | Feature ID: 11G   |                          |  |
|--|---|--------------------------|--|
| Unnamed drainages within the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography suggests the most likely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila River.  Tributary is:   Natural  | Identify flow route to  | TNW:                     |  |
| Average Width (ft): 9.85 Average Depth (ft): 1 Average Side Slopes: 2:1  Primary tributary substrate composition (check all that apply):  Silts  | Unnamed drainages v<br>suggests the most like   | within the Analysis Area |  |
| Concrete   Muck Other, Explain:   Stable   Presence of Run/Riffle/Pool Complexes. Explain:   Not Present   Tributary Geometry:   Relatively Straight   Tributary Gradient (approximate average slope):   2%    (c) Flow:   Tributary Gradient (approximate average slope):   2%    (d) Flow:   Tributary Gradient (approximate average slope):   2%    (d) Flow:   Tributary Provides for:   Ephemeral Flow   Average Flow Events per year:   2-5    (d) Charcer Flow Explain:   Confined   Characteristics:   Confined   Characteristics:   Charcer Glow:   Explain:   Characteristics:   Charcer Glow:   Characteristics:   Charcer Glow:   Character Glow:   Characte | Average Width (ft):<br>Average Depth (ft):<br>Average Side Slopes:  | 9.85<br>1<br>2:1         | eck all that apply):   |
| Tributary Condition/Stability. Explain: Stable Presence of Run/Riffle/Pool Complexes. Explain: Not Present Tributary Geometry: Relatively Straight Tributary Gradient (approximate average slope): 2%    Constitution  | ✓ Silts   | ☐ Cobbles ☐              | Bedrock ✓ Gravel ☐ Vegetation  |
| Presence of Run/Riffle/Pool Complexes. Explain:  Tributary Geometry: Relatively Straight  Tributary Gradient (approximate average slope): 2%   (c) Flow:  Tributary Gradient (approximate average slope): 2%  (c) Flow:  Tributary Gradient (approximate average slope): 2%  (c) Flow:  Tributary Gradient (approximate average slope): 2%  (c) Flow:  Tributary Provides for: Ephemeral Flow Average Flow Events per year: 2-5  Describe Flow Regime: Ephemeral Other Information on Duration and Volume: Character Flow: No Explain:  Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank  Changes in soil character Leaf litter disturbed or washed away  Shelving Presence of litter and debris  Sediment deposition Destruction of terrestrial vegetation  Sediment sorting Abrupt change in plant community  Multiple observed or predicted flow events   | ☐ Concrete ☐ N  | Auck Other, Explain      | n:   |
| Tributary Provides for: Ephemeral Flow Describe Flow Regime: Ephemeral Surface Flow is: Confined Characteristics: Subsurface Flow: No Explain: Tributary Has:  Bed and Banks  OHWM: OHWM Indicators: Clear, natural line impressed on the bank Changes in soil character Shelving Sediment deposition Sediment sorting Scour  Average Flow Events per year: 2-5  Other Information on Duration and Volume:  Characteristics:  Learlain: Vegetation matted down, bent or absent Leaf litter disturbed or washed away  Destruction of terrestrial vegetation Abrupt change in plant community  Multiple observed or predicted flow events  | Tributary Geometry:   | Relatively Straight      |  |
| Describe Flow Regime: Ephemeral Other Information on Duration and Volume: Surface Flow is: Confined Characteristics: Subsurface Flow: No Explain:   Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank  Changes in soil character  | (c) Flow:   |                          |  |
| Surface Flow is: Confined Characteristics: Subsurface Flow: No Explain:  Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank Changes in soil character Shelving Sediment deposition Sediment sorting Scour  Character Charac  | •   | •                        |  |
| Subsurface Flow: No Explain:  Tributary Has:  □ Bed and Banks  ☑ OHWM: OHWM Indicators:  □ Clear, natural line impressed on the bank  ☑ Changes in soil character  □ Leaf litter disturbed or washed away  □ Shelving  □ Presence of litter and debris  □ Sediment deposition  ☑ Destruction of terrestrial vegetation  ☑ Sediment sorting  □ Abrupt change in plant community  □ Scour  □ Multiple observed or predicted flow events  | •   | •                        |  |
| Tributary Has:  ☐ Bed and Banks  ☑ OHWM: OHWM Indicators:  ☐ Clear, natural line impressed on the bank ☑ Changes in soil character ☐ Shelving ☐ Sediment deposition ☑ Sediment sorting ☐ Scour  ☐ Multiple observed or predicted flow events   |   |                          |  |
| <ul> <li>□ Bed and Banks</li> <li>☑ OHWM: OHWM Indicators:</li> <li>□ Clear, natural line impressed on the bank</li> <li>☑ Changes in soil character</li> <li>□ Shelving</li> <li>□ Presence of litter and debris</li> <li>□ Sediment deposition</li> <li>☑ Sediment sorting</li> <li>□ Abrupt change in plant community</li> <li>□ Scour</li> <li>□ Multiple observed or predicted flow events</li> </ul>   | Subsurface Flow:  | No                       | Explain:   |
| ✓ OHWM: OHWM Indicators:         ☐ Clear, natural line impressed on the bank       ☐ Vegetation matted down, bent or absent         ✔ Changes in soil character       ☐ Leaf litter disturbed or washed away         ☐ Shelving       ☐ Presence of litter and debris         ☐ Sediment deposition       ✔ Destruction of terrestrial vegetation         ✔ Sediment sorting       ☐ Abrupt change in plant community         ☐ Scour       ☐ Multiple observed or predicted flow events   | Tributary Has:  |                          |  |
| ☐ Scour ☐ Multiple observed or predicted flow events   | <ul> <li>✓ OHWM: OHWM Indicators:</li> <li>□ Clear, natural line impressed on the bank</li> <li>✓ Changes in soil character</li> <li>□ Shelving</li> <li>□ Sediment deposition</li> </ul> |                          | <ul><li>Leaf litter disturbed or washed away</li><li>Presence of litter and debris</li></ul> |
| ·  | •   |                          |  |
|  |   | lino                     | ·  |

# (iii) Chemical Characteristics:

☐ Discontinuous? Explain:

Other (list):

Characterize Tributary:

Identify Specific Pollutants, if known:

| ,   | tics. Channel supports (check all that apply):                                     |
|---|--|
| $\square$ Riparian Corridor   | Characteristics:   |
| $\square$ Wetland Fringe Ch   | naracteristics:  |
| Habitat for:  |  |
| ☐ Federally Listed Sp   | ecies Explain:   |
| ☐ Fish/Spawn Areas  | Explain:   |
| ☐ Other environmen  | tally -sensitive species Explain:  |
| ☐ Aquatic/Wildlife di   | versity Explain:   |
| Characteristics of wetl   | ands adjacent to non-TNW that flow directly or indirectly into TNW                 |
| Physical Characteristics  | s:   |
| Wetland Size (ac):  | Wetland Type, Explain:   |
| Wetland Quality, Expl   | ain:   |
| •   | ss or Serve as State Boundaries, Explain:  |
| Wetland Flow is:  | Explain:   |
| Surface Flow is:  | Characteristics:   |
| Subsurface Flow:  | Explain Findings:  |
| ☐ Wetland Directly A  | butting Non-TNW  |
| ☐ Wetland Not Direc   | tly Abutting Non-TNW   |
| ☐ Discrete wetland  | d hydrologic connection Explain:   |
| ☐ Ecologcal conne   | ction Explain:   |
| $\square$ Separated by be   | erm/barrier Explain:   |
| Project Wetlands: Riv   | er Miles from TNW:   |
| Project Wetlands: Ae  | rial Miles from TNW:   |
| Flow is From:   |  |
| Approximate Location  | n of Wetland within Floodplain:  |
| ) Chemical Characteristi  | cs:  |
| Characterize Wetland  | System:  |
|   | tics. Wetland supports (check all that apply):                                     |
| i) Biological Characteris   |  |
| <ul><li>i) Biological Characteris</li><li>Riparian Buffer E</li></ul>   | Explain:   |
| ☐ Riparian Buffer E   | Explain: percent cover. Explain:   |
| ☐ Riparian Buffer E   |  |
| ☐ Riparian Buffer E☐ Vegetation type/p  | percent cover. Explain:  |
| ☐ Riparian Buffer E☐ Vegetation type/p  | Species Explain:   |
| ☐ Riparian Buffer E ☐ Vegetation type/p Habitat for: ☐ Federally Listed ☐ Fish/Spawn Area   | Species Explain:   |
| ☐ Riparian Buffer E ☐ Vegetation type/p Habitat for: ☐ Federally Listed ☐ Fish/Spawn Area   | Species Explain: as Explain: entally-sensitive species Explain:                    |
| ☐ Riparian Buffer E ☐ Vegetation type/p Habitat for: ☐ Federally Listed ☐ Fish/Spawn Area ☐ Other environm ☐ Aquatic/Wildlife                           | Species Explain: as Explain: entally-sensitive species Explain:                    |
| ☐ Riparian Buffer E ☐ Vegetation type/p Habitat for: ☐ Federally Listed ☐ Fish/Spawn Area ☐ Other environm ☐ Aquatic/Wildlife  Characteristics of all w | Species Explain: as Explain: entally-sensitive species Explain: Diversity Explain: |

|  | G  |  |   |  |  |   |
|--|--|--|---|--|--|---|
| SIGNIFICANT  |  |  |   |  |  |   |
| 1. Significant into TNW. Ex  |  | ngs tor non-RP   | W that has no   | adjacent wetl  | ands and flows di  | rectly or indirectly                      |
| between Pow<br>discharges, in<br>downstream of<br>possibility of a<br>critical habita<br>does not prov<br>drainage does<br>biological inte                   | vers Butte and combination manmade in a hydrologic ts were iden wide lifecycle is not have megrity of the  | d Gillespie Dan<br>n with the geo<br>npoundment ('<br>connection be<br>tified within the<br>support funct<br>fore than a spe<br>TNW. Therefor  | m. An analysis morphology of Tat Momolikot etween this drane Analysis Are ions, nutrients, eculative or instre, this unname   | of peak yearly the Analysis A Dam), and the inage and the a. Additionally or organic carubstantial effects   | discharges and poor a | of a significant<br>NW, suggests that the |
| 2. Significant or indirectly i   |  | •  | W and its adja  | cent wetlands  | , where the non-l  | RPW flows directly                        |
| 3. Significant Explain:  | nexus findir   | ngs for wetlan   | ds adjacent to  | an RPW but th  | nat do not directly  | abut the RPW.                             |
|  |  |  |   |  |  |   |
|  |  |  |   |  |  |   |
| DETERMANATA  | TIONS OF ILL   | DICDICTIONAL   | FINIDINGS TH  | E CLIDIFOT MA  | TERS (METI ANDS  | ADE                                       |
|  |  |  | FINDINGS. TH  | E SUBJECT WA   | TERS/WETLANDS  | ARE                                       |
|  |  |  | FINDINGS. TH  | E SUBJECT WA   | TERS/WETLANDS  | ARE                                       |
| DETERMINAT  1. TNWs and  TNWs:   |  |  | FINDINGS. TH  | E SUBJECT WA   | •  | Acres                                     |
| 1. TNWs and  TNWs:   |  | etlands<br>Linear Feet   | FINDINGS. TH  |  | •  |   |
| 1. TNWs and  TNWs:   | Adjacent Wo  | Linear Feet<br>TNWs:   |   |  | •  |   |
| 1. TNWs and TNWs: Wetlands Reserved for  | Adjacent We<br>s adjacent to<br>Section III D  | Linear Feet TNWs: 2 (RPWs):  | Acres   | Width (ft), (  | •  |   |
| 1. TNWs and  TNWs: Wetlands Reserved for 3. Non-RPWs Non-TNW   | Adjacent Wo<br>s adjacent to<br>Section III D<br>s that flow di<br>/non-RPW w  | Linear Feet TNWs: 2 (RPWs): irectly or indir   | Acres  Pectly into TNW  If flows directly   | Width (ft), 0  | Or,  |   |
| 1. TNWs and  TNWs:  Wetlands Reserved for  3. Non-RPWs  Non-TNW with a TN  | Adjacent Wo<br>s adjacent to<br>Section III D<br>s that flow di<br>/non-RPW w  | Linear Feet TNWs: 2 (RPWs): irectly or indirectly or that  | Acres  Pectly into TNW  If flows directly   | Width (ft), 0  | Or,  | Acres                                     |
| 1. TNWs and  TNWs:  Wetlands Reserved for  3. Non-RPWs  Non-TNW with a TN Length (Li   | Adjacent Wo<br>s adjacent to<br>Section III D<br>s that flow di<br>/non-RPW w<br>W, and is the<br>near Feet):  | Linear Feet TNWs: 2 (RPWs): irectly or indirectly or indir | Acres  rectly into TNW rectly into the flows directly ional.  Width (feet):   | Width (ft), (  /s.  or indirectly in   | Or,<br>to a TNW and has  | Acres                                     |
| 1. TNWs and  TNWs:  Wetlands Reserved for  3. Non-RPWs  Non-TNW with a TNV Length (Li Reserved for   | Adjacent Wo<br>s adjacent to<br>Section III D<br>s that flow di<br>/non-RPW w<br>W, and is the<br>near Feet):  | Linear Feet TNWs: 2 (RPWs): irectly or indirectly or indir | Acres  Tectly into TNW  If flows directly ional.  Width (feet):  directly abuttin   | Width (ft), of the state of the | Or, to a TNW and has Acres:  | Acres                                     |
| 1. TNWs and  TNWs:  Wetlands Reserved for  3. Non-RPWs  Non-TNW with a TNV Length (Li Reserved for Reserved for  | Adjacent Woods adjacent to Section III Description of that flow disease with the section III Description of the section III Description II Description I | Linear Feet TNWs: 2 (RPWs): irectly or indirectly or indirectly or indirectly or indirectly or indirectly of the indirec | Acres  Tectly into TNW I flows directly ional.  Width (feet): directly abuttinedjacent to but   | Width (ft), of the second of t | Or, to a TNW and has Acres: outting RPWs):   | Acres                                     |
| 1. TNWs and  TNWs:  Wetlands Reserved for 3. Non-RPWs  Non-TNW with a TNY Length (Li Reserved for Reserved for 6. Wetlands                                   | Adjacent Woods adjacent to Section III Do that flow disynon-RPW www, and is the near Feet):  Section III Do Sec | Linear Feet TNWs: 2 (RPWs): irectly or indirectly or indirectly or indirectly of indir | Acres  Tectly into TNW If flows directly ional.  Width (feet):  directly abuttine adjacent to but at flow directly  | Width (ft), of section of the sectio | or,  to a TNW and has  Acres:  butting RPWs):  nto TNWs.   | Acres                                     |
| 1. TNWs and  TNWs:  Wetlands Reserved for  3. Non-RPWs  Non-TNW with a TNV Length (Li Reserved for Reserved for 6. Wetlands                                  | Adjacent Woods adjacent to adj | Linear Feet TNWs: 2 (RPWs): irectly or indirectly or indirectly or indirectly of indir | Acres  Tectly into TNW  If flows directly ional.  Width (feet):  directly abuttine adjacent to but the flow directly abutton the flow directly ch, in combina   | Width (ft), of section of the sectio | or,  to a TNW and has  Acres:  butting RPWs):  nto TNWs.   | Acres                                     |
| 1. TNWs and  TNWs:  Wetlands Reserved for 3. Non-RPWs  Non-TNW with a TN Length (Li Reserved for Reserved for 6. Wetlands Wetland has a sign                 | Adjacent Woods adjacent to section III Do that flow distance from the work and is the near Feet):  Section III Do the section I | Linear Feet TNWs: 2 (RPWs): irectly or indirectly or indirectly or indirectly or indirectly of the terfore jurisdict 2 4 (Wetlands of the terfore) 5 (Wetlands of the terfore) 5 (Wetlands of the terfore) 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | Acres  Fectly into TNW I flows directly ional.  Width (feet): directly abuttin adjacent to but at flow directly ch, in combina V.   | Width (ft), of section of the sectio | or,  to a TNW and has  Acres:  butting RPWs):  nto TNWs.   | Acres                                     |
| 1. TNWs and  TNWs:  Wetlands Reserved for  3. Non-RPWs  Non-TNW with a TN Length (Li Reserved for Reserved for Reserved for  6. Wetland has a sign Estimated | Adjacent Woods adjacent to section III D to that flow distance flow mear Feet): Section III D Section III D adjacent to adjacent to inficant nexued size of juris  | Linear Feet TNWs: 2 (RPWs): irectly or indirectly or indirectly or indirectly of indiversely.        | Acres  rectly into TNW rectly into TNW rectly directly rectly abutting rectly | Width (ft), of section of the sectio | or,  to a TNW and has  Acres:  butting RPWs):  nto TNWs.   | Acres                                     |

# WHICH COULD AFFECT INTERSTATE COMMERCE

Supporting rationale:
Length (linear feet): Acres:

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 11G  |                                 |  |
|--|---------------------------------|--|
|  |                                 | and ducing a determined the tit did not    |
| possess a significant nexus  | •                               | emeral drainage determined that it did not |
| -  | y with the nearest new.         |  |
| Explain finding of Other:  |                                 |  |
| Non-wetland waters   | 136.21 linear feet (ft),        | 9.85 width (ft)                            |
| ☐ Other waters   | acres                           |  |
| ☐ Wetlands   | acres                           |  |
| SECTION IV: DATA SOURCES   |                                 |  |
|  | Plat Submitted by Applicant/Cor | nsultant: WestLand Resources, Inc.         |
|  | Submitted on behalf of Applican |  |
| ☐ Office Concurs with  | • •                             |  |
| ☐ Office Does Not Co   | ncur with delineation           |  |
| ☐ Data Sheets Prepared   | by the Corps                    |  |
| Corps Navigable Water  |                                 |  |
| ☐ US Geological Survey F   | Hydrologic Atlas                |  |
| USGS NHD Data  |                                 |  |
| ☐ USGS 8 and 12 digi   | it HUC Map                      |  |
| ✓ LIS Geological Survey N  | Map(s) Scale and Quad Name:     |  |
|  |                                 | a Rosa Mountains NW 7.5-Minute Quadrangles |
|  |                                 |  |
|  | ,                               | tion:                                      |
| ☐ National Wetlands Inve   | · · ·                           |  |
| <ul><li>☐ State/Local Wetland In</li><li>☐ FEMA/FIR Maps</li></ul> | iventory Maps                   |  |
| ☐ 100-year Floodplain Ele  | avation is:                     | (National Geodetic Vertical Datum of 1929) |
|  | Name and Date): BING, Microso   |  |
| - '  | Name and Date): Ground Photo    |  |
| <u> </u>   | ons File No. and Date of Respon |  |

 $\ \square$  Applicable/Supporting Case Law Citation:

Other Information, Please Specify: Additional Comments to Support JD:

☐ Applicable/Supporting Scientific Literature Citation:

| SECTION I: BACKGROUND INFORM   | MATION          |  |             |                       |
|--|-----------------|--|-------------|-----------------------|
| A. Report Completion Date for App  | oroved Jurisdic | tional Determination: 07/30/2  | 012         |                       |
| B. District Office and File No: Los  |                 |  |             |                       |
| C. Project Location and Background   | d Information:  | Drainage Feature 11H   |             |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono  | O'odham Nation, Pima and Pinal   | Counties, A | Arizona               |
| Center coordinates of site: Lat.   | 32.5073         | Long111.9100   |             |                       |
| Name of nearest waterbody: Un  | named Wash 1    | 11H  |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                     | W: Gila River   | between Powers Butte and Gilles  | spie Dam    |                       |
| ✓ Map/Diagram of potential juris   | dictional area  | is available on request  |             |                       |
| D. Review Performed for Site Evalu   |                 | •  |             |                       |
| Office Determination. Date:  | iation.         |  |             |                       |
| Field Determination. Date: 05/3  | 2012            |  |             |                       |
|  |                 |  |             |                       |
| SECTION II: SUMMARY OF FINDING   |                 |  |             |                       |
| A. RHA Section 10 Determination  |                 |  |             |                       |
| _  |                 | vithin RHA jurisdiction in the revi  | ew area.    |                       |
| B. CWA Section 404 Determination   |                 |  |             |                       |
|  | ne U.S." within | CWA jurisdiction in the review a   | rea.        |                       |
| 1. Waters of the US:   |                 |  |             |                       |
| Linear Feet  |                 | Width (ft) and/or  | Acres       |                       |
| Limits of Jurisdiction based on:   |                 |  |             |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional water</li> </ol> |                 | retlands were assessed and deter   | mined not   | to be jurisdictional: |
|  | it possessed a  | lify as a TNW or RPW. Therefore, significant nexus with a downstrdownstream TNW. |             |                       |
| SECTION III: CWA ANALYSIS  |                 |  |             |                       |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs     |  |             |                       |
| 1. Identified TNW:   |                 |  |             |                       |
| Rationale for TNW determinat   | tion:           |  |             |                       |
| 2. Rationale for conclusion tha  | nt any wetland  | s present are "adjacent":  |             |                       |
| B. CHARACTERISTICS OF NON-TN   | W TRIBUTARY     | AND ITS ADJACENT WETLANDS  |             |                       |
| TNW Watershed Size (sq mi):  | 49650           | Tributaries flow to TNW:   |             | 4                     |
| Drainage Area (sq mi):   | 0.00008         | River Miles from tributary   | to TNW:     | 30 (or more)          |
| Average Annual Rainfall (in):  | 8.5             | River Miles from tributary   |             |                       |
| Average Annual Snowfall (in):  | 0               | Aerial Miles from tributary<br>Aerial Miles from tributary                       |             | 30 (or more)          |
| ☐ Project waters cross or serv   | ve as state bou |  |             |                       |

Feature ID: 11H

| ature ID: 11H          |  |
|------------------------|--|
| Identify flow route to | TNW:   |
| •                      | vithin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography ely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural  | Explain:   |
| Average Width (ft):    | 7.49   |
| Average Depth (ft):    | 1  |
| Average Side Slopes:   | 2:1  |
| ✓ Silts □ Sands        | strate composition (check all that apply):   Cobbles  Bedrock  Gravel  Vegetation  luck Other, Explain:  |
| Tributary Condition/S  | tability. Explain: Stable  |
| Presence of Run/Riffle | e/Pool Complexes. Explain: Not Present   |
| Tributary Geometry:    | Relatively Straight  |
|                        | oproximate average slope): 2%  |

(c) Flow:

| Tributary Provides for:       | Ephemeral Flow        | Average    | Flow Eve  | ents per ye | ear:      | 2-5            |     |  |
|-------------------------------|-----------------------|------------|-----------|-------------|-----------|----------------|-----|--|
| Describe Flow Regime:         | Ephemeral             | Other In   | formatio  | n on Dura   | tion and  | d Volume:      |     |  |
| Surface Flow is:              | Confined              | Characte   | ristics:  |             |           |                |     |  |
| Subsurface Flow:              | No                    | Explain:   |           |             |           |                |     |  |
| Tributary Has:                |                       |            |           |             |           |                |     |  |
| $\square$ Bed and Banks       |                       |            |           |             |           |                |     |  |
| ✓ OHWM: OHWM Inc              | dicators:             |            |           |             |           |                |     |  |
| $\square$ Clear, natural line | impressed on the bank | ( U        | /egetati  | on matted   | down, l   | bent or absent | t   |  |
| Changes in soil cha           | ıracter               | □ I        | eaf litte | r disturbe  | d or was  | shed away      |     |  |
| ☐ Shelving                    |                       | F          | resence   | of litter a | nd debr   | is             |     |  |
| ☐ Sediment deposition         | on                    | <b>✓</b> [ | Destruct  | ion of terr | estrial v | egetation      |     |  |
| Sediment sorting              |                       |            | Abrupt c  | hange in p  | lant con  | nmunity        |     |  |
| ☐ Scour                       |                       |            | Multiple  | observed    | or predi  | icted flow eve | nts |  |
| ☐ Presence of wrack           | line                  | _ \        | Nater st  | aining      |           |                |     |  |
| Other (list):                 |                       |            |           |             |           |                |     |  |
| ☐ Discontinuous? Ex           | kplain:               |            |           |             |           |                |     |  |
| (iii) Chemical Characteris    | tics:                 |            |           |             |           |                |     |  |
| Characterize Tributa          |                       |            |           |             |           |                |     |  |
| Identify Specific Poll        |                       |            |           |             |           |                |     |  |
|                               |                       |            |           |             |           |                |     |  |
|                               |                       |            |           |             |           |                |     |  |
|                               |                       |            |           |             |           |                |     |  |
|                               |                       |            |           |             |           |                |     |  |

| iv) Biological Characterist   | ics. Channel supports (check all that apply):   |
|---|---|
| ☐ Riparian Corridor (   | Characteristics:  |
| ☐ Wetland Fringe Cha  | aracteristics:  |
| Habitat for:  |   |
| ☐ Federally Listed Spe  | ecies Explain:  |
| ☐ Fish/Spawn Areas  | Explain:  |
| •   | ally -sensitive species Explain:  |
| ☐ Aquatic/Wildlife div  | versity Explain:  |
|   | and a discount to your Tallat that flow discoults on in discoults into Tallat   |
| i) Physical Characteristics:  | ands adjacent to non-TNW that flow directly or indirectly into TNW :  |
| Wetland Size (ac):  | Wetland Type, Explain:  |
| Wetland Quality, Expla  | ain:  |
| Project Wetlands Cros   | ss or Serve as State Boundaries, Explain:   |
| Wetland Flow is:  | Explain:  |
| Surface Flow is:  | Characteristics:  |
| Subsurface Flow:  | Explain Findings:   |
| ☐ Ecologcal connec<br>☐ Separated by ber<br>Project Wetlands: Rive<br>Project Wetlands: Aeri<br>Flow is From: | cly Abutting Non-TNW d hydrologic connection Explain: ction Explain: crm/barrier Explain: er Miles from TNW: cial Miles from TNW: |
| Characterize Wetland  |   |
|   | cics. Wetland supports (check all that apply):  |
| Riparian Buffer Ex  |   |
| ·   | percent cover. Explain:   |
| Habitat for:  | 2. 22 2 2 2 2 2 2   |
| ☐ Federally Listed S  | Species Explain:  |
| ☐ Fish/Spawn Area   |   |
| • •   | entally-sensitive species Explain:  |
| $\square$ Other environme   | •   |
| <ul><li>☐ Other environme</li><li>☐ Aquatic/Wildlife</li></ul>  | Diversity Explain:  |
| ☐ Aquatic/Wildlife  |   |
| ☐ Aquatic/Wildlife  3. Characteristics of all we  | etlands adjacent to the non-TNW tributary (if any)  |
| ☐ Aquatic/Wildlife  3. Characteristics of all we  All wetland(s) consider                                     |   |

| SIGNIFICANT NEXUS DETERMINATION   |   |
|---|---|
| <ol> <li>Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or<br/>into TNW. Explain:</li> </ol>   | indirectly  |
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential floodischarges, in combination with the geomorphology of the Analysis Area, the presence of a sign downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, sugge possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollute critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral does not provide lifecycle support functions, nutrients, or organic carbon to species within the Talenage does not have more than a speculative or insubstantial effect on the physical, chemical biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess an exus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. | ood<br>ificant<br>gests that the<br>ants or<br>drainage<br>TNW. This<br>I, and/or |
| <ol><li>Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flow<br/>or indirectly into TNW. Explain:</li></ol>   | s directly  |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the Explain:  | PRPW.   |
| DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  | ?S  |
| 3. Non-RPWs that flow directly or indirectly into TNWs.   |   |
| Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signfication with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Acres:   | ant nexus   |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):   |   |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |   |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |   |
| ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent has a significant nexus with the TNW.  | t wetlands,   |
| Estimated size of jurisdictional wetland (in acres):  |   |
|   |   |
| 7. Impoundments of jurisdictional waters.   |   |

#### F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 11H   |  |
|---|--|
| As described in Section 3C1 possess a significant nexus | 1 above, an analysis of this ephemeral drainage determined that it did not with the nearest TNW. |
| Explain finding of Other:                               |  |
| ✓ Non-wetland waters                                    | 305.27 linear feet (ft), 7.49 width (ft)   |
| ☐ Other waters  | acres  |
| ☐ Wetlands  | acres  |
| SECTION IV: DATA SOURCES                                |  |
|   | at Submitted by Applicant/Consultant: WestLand Resources, Inc.                                   |
|   | Submitted on behalf of Applicant   |
| Office Concurs with                                     |  |
|   | ncur with delineation  |
| ☐ Data Sheets Prepared by                               | by the Corps   |
| ☐ Corps Navigable Water :                               | ·  |
| ☐ US Geological Survey Hy                               | •  |
| □ USGS NHD Data   | 7  |
| ☐ USGS 8 and 12 digit                                   | t HLIC Man   |
| _   |  |
|   | flap(s) Scale and Quad Name:   |
| Silver Reef Mountai                                     | ins SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                        |
| ☐ USDA Nat'l Res Conserva                               | vation Service Soil Survey Citation:   |
| ☐ National Wetlands Inver                               |  |
| $\square$ State/Local Wetland Inv                       |  |
| ☐ FEMA/FIR Maps   |  |
| ☐ 100-year Floodplain Elev                              | evation is: (National Geodetic Vertical Datum of 1929)   |
| Aerial Photographs (N                                   | Name and Date): BING, Microsoft Virtual Earth 2008   |
| Other Photographs (N                                    | Name and Date): Ground Photos; May 2012  |
| ☐ Previous Determination                                | ns File No. and Date of Response Letter:   |
| ☐ Applicable/Supporting C                               | Case Law Citation:   |
| ☐ Applicable/Supporting S                               | Scientific Literature Citation:  |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION   |                          |
|---|--------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |                          |
| B. District Office and File No: Los Angeles District, File No. Pending  |                          |
| C. Project Location and Background Information: Drainage Feature 12   |                          |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties  | s, Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |                          |
| Name of nearest waterbody: Unnamed Wash 12  |                          |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam   | ı                        |
| HUC Code: 15050306  |                          |
| ✓ Map/Diagram of potential jurisdictional area is available on request  |                          |
| D. Review Performed for Site Evaluation:  |                          |
| Office Determination. Date:   |                          |
| Field Determination. Date: 05/2012  |                          |
|   |                          |
| SECTION II: SUMMARY OF FINDINGS   |                          |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.  |                          |
|   |                          |
| B. CWA Section 404 Determination of Jurisdiction  There Are No  "waters of the U.S." within CWA jurisdiction in the review area.  |                          |
| •   |                          |
| 1. Waters of the US:  |                          |
| Linear Feet Width (ft) and/or Acres   |                          |
| Limits of Jurisdiction based on:  |                          |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined notes.</li></ul>   | ot to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drai considered jurisdictional if it possessed a significant nexus with a downstream TNV not possess a significant nexus with the downstream TNW. | •                        |
| SECTION III: CWA ANALYSIS   |                          |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |                          |
| 1. Identified TNW:  |                          |
| Rationale for TNW determination:  |                          |
|   |                          |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |                          |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS   |                          |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4                        |
| Drainage Area (sq mi): 0.00008 River Miles from tributary to TNW  |                          |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW   |                          |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW Aerial Miles from tributary to RPW   |                          |
| ☐ Project waters cross or serve as state boundaries. Explain:   |                          |

Feature ID: 12

| Identify flow route to   |                           |                       |                                    |                   |           |         |  |
|--|---------------------------|-----------------------|------------------------------------|-------------------|-----------|---------|--|
| Unnamed drainages v<br>suggests the most lik                                 |                           | -                     |                                    | •                 | •         |         |  |
| River.   |                           |                       |                                    |                   |           |         |  |
| Tributary is: Natural  |                           | Explain:              |                                    |                   |           |         |  |
| Average Width (ft):  | 4.68                      |                       |                                    |                   |           |         |  |
| Average Depth (ft):  | 1                         |                       |                                    |                   |           |         |  |
|  |                           |                       |                                    |                   |           |         |  |
|  |                           | compositio            | on (check al                       | l that apply):    |           |         |  |
| Average Side Slopes:  Primary tributary sub  ✓ Silts   ☐ Sands               | ostrate o                 | compositic<br>Cobbles | on (check al                       |                   | rel 🗆 Veg | etation |  |
| Primary tributary sub  Silts Sands   | ostrate o                 | •                     | ☐ Bedro                            |                   | rel 🗌 Veg | etation |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                        | ostrate o                 | Cobbles<br>Other, I   | ☐ Bedro                            |                   | rel 🗌 Veg | etation |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Fributary Condition/S | ostrate o  Muck Stability | Cobbles Other, E      | ☐ Bedro Explain:  Stable           |                   |           | etation |  |
| Primary tributary sub  Silts Sands   | ostrate of Stability      | Cobbles Other, E      | Bedro Explain:  Stable s. Explain: | ock <b>⊻</b> Grav |           | etation |  |

| (c) Flow:                  |                       |                  |                 |               |                    |  |
|----------------------------|-----------------------|------------------|-----------------|---------------|--------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Events     | per year:     | 2-5                |  |
| Describe Flow Regime:      | Ephemeral             | Other Inf        | ormation on     | Duration an   | d Volume:          |  |
| Surface Flow is:           | Confined              | Characte         | ristics:        |               |                    |  |
| Subsurface Flow:           | No                    | Explain:         |                 |               |                    |  |
| Tributary Has:             |                       |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |                 |               |                    |  |
|                            | impressed on the bank | $\square$ $\lor$ | egetation m     | atted down,   | bent or absent     |  |
| Changes in soil changes    | •                     |                  | eaf litter dist | -             |                    |  |
| ☐ Shelving                 |                       | □ P              | resence of li   | tter and deb  | ris                |  |
| ☐ Sediment depositi        | on                    | <b>✓</b> [       | estruction o    | f terrestrial | vegetation         |  |
| Sediment sorting           |                       |                  | Abrupt chang    | e in plant co | mmunity            |  |
| ☐ Scour                    |                       |                  | ∕Iultiple obse  | rved or pred  | licted flow events |  |
| ☐ Presence of wrack        | line                  | □ <b>v</b>       | Vater stainin   | g             |                    |  |
| Other (list):              |                       |                  |                 |               |                    |  |
| ☐ Discontinuous? Ex        | xplain:               |                  |                 |               |                    |  |
| (iii) Chemical Characteris | stics:                |                  |                 |               |                    |  |
| •                          |                       |                  |                 |               |                    |  |
| Characterize Tributa       |                       |                  |                 |               |                    |  |
| Identify Specific Poll     | utants, if known:     |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |

| Feature ID: 12  |  |
|---|--|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |  |
| Riparian Corridor Characteristics:  |  |
| ☐ Wetland Fringe Characteristics:   |  |
| Habitat for:  |  |
| ☐ Federally Listed Species Explain:   |  |
| ☐ Fish/Spawn Areas Explain:   |  |
| ☐ Other environmentally -sensitive species Explain:   |  |
| ☐ Aquatic/Wildlife diversity Explain:   |  |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                          |  |
| (i) Physical Characteristics:   |  |
| Wetland Size (ac): Wetland Type, Explain:   |  |
| Wetland Quality, Explain:   |  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |  |
| Wetland Flow is: Explain:   |  |
| Surface Flow is: Characteristics:   |  |
| Subsurface Flow: Explain Findings:  |  |
| ☐ Wetland Directly Abutting Non-TNW   |  |
| ☐ Wetland Not Directly Abutting Non-TNW   |  |
| ☐ Discrete wetland hydrologic connection Explain:   |  |
| ☐ Ecologcal connection Explain:   |  |
| ☐ Separated by berm/barrier Explain:  |  |
| Project Wetlands: River Miles from TNW:   |  |
| Project Wetlands: Aerial Miles from TNW:  |  |
| Flow is From:   |  |
| Approximate Location of Wetland within Floodplain:  |  |
| (ii) Chemical Characteristics:  |  |
| Characterize Wetland System:  |  |
|   |  |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |  |
| Riparian Buffer Explain:  |  |
| ☐ Vegetation type/percent cover. Explain:  Habitat for:   |  |
| Federally Listed Species Explain:   |  |
| ☐ Fish/Spawn Areas Explain:   |  |
| ☐ Other environmentally-sensitive species Explain:  |  |
| ☐ Aquatic/Wildlife Diversity Explain:   |  |
|   |  |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |  |
| All wetland(s) considered in cumulative analysis:   |  |
| Wetland acres in total being considered in cumulative analysis:   |  |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions): |  |
|   |  |
|   |  |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectinto TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gild between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. Tld drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/obiological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a signifinexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows director indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs:  Linear Feet  Width (ft), Or,  Acres  Wetlands adjacent to TNWs:  Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs. | hat the lead |
|---|--|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. The drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/o biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a signifinexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows director indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  4. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):   | hat the<br>ge<br>his<br>or<br>ficant   |
| or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  5. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  1. TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):   |  |
| Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):   | •  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  |  |
| ☐ TNWs: Linear Feet Width (ft), Or, Acres  ☐ Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):   |  |
| ■ Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  |  |
| Reserved for Section III D 2 (RPWs):  |  |
|   |  |
| 3. Non-RPWs that flow directly or indirectly into TNWs.   |  |
|   |  |
| ☐ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nex with a TNW, and is therfore jurisdictional.   | xus  |
| Length (Linear Feet): Width (feet): Acres:  |  |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):   |  |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |  |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |  |
| ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands a significant nexus with the TNW.   | ands,  |
| Estimated size of jurisdictional wetland (in acres):  |  |
| 7. Impoundments of jurisdictional waters.   |  |
| Demonstration of Jurisdiction:  |  |
| . ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE   | )F   |
|   |  |
| Supporting rationale:  Length (linear feet): Acres:   |  |

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 12   |                                   |                                      |             |                  |                  |  |
|--|-----------------------------------|--------------------------------------|-------------|------------------|------------------|--|
| As described in Section 30 possess a significant nexu  |                                   |                                      | eral draina | ge determined th | at it did not    |  |
| Explain finding of Other:  |                                   |                                      |             |                  |                  |  |
| <ul><li>Non-wetland waters</li><li>Other waters</li><li>Wetlands</li></ul>   | 470.64                            | linear feet (ft),<br>acres<br>acres  | 4.68        | width (ft)       |                  |  |
| SECTION IV: DATA SOURCES   |                                   |                                      |             |                  |                  |  |
| <ul><li>✓ Maps, Plans, Plots or F</li><li>✓ Data Sheets Prepared,</li><li>☐ Office Concurs with</li><li>☐ Office Does Not Concurs</li></ul>                        | /Submitted on be<br>n delineation | ehalf of Applicant                   | ultant: W   | estLand Resource | es, Inc.         |  |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey I</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas       |                                      |             |                  |                  |  |
| ✓ US Geological Survey I<br>Silver Reef Mount  |                                   | d Quad Name:<br>melik, and Santa R   | osa Mount   | ains NW 7.5-Min  | ute Quadrangles  |  |
| ☐ USDA Nat'l Res Conser☐ ☐ National Wetlands Inv☐ ☐ State/Local Wetland II ☐ FEMA/FIR Maps   | entory Maps (                     | oil Survey Citatio<br>Cite Map Name: | n:          |                  |                  |  |
| ☐ 100-year Floodplain El   | evation is:                       |                                      | (National   | Geodetic Vertica | l Datum of 1929) |  |
| ✓ Aerial Photographs (   | •                                 | ·                                    |             | th 2008          |                  |  |
| ✓ Other Photographs (  | •                                 |                                      |             |                  |                  |  |
| ☐ Previous Determination   |                                   | •                                    | Letter:     |                  |                  |  |
| <ul><li>Applicable/Supporting</li><li>Applicable/Supporting</li></ul>  |                                   |                                      |             |                  |                  |  |
| Other Information, Ple   |                                   | are citation.                        |             |                  |                  |  |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION   |                       |
|---|-----------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |                       |
| B. District Office and File No: Los Angeles District, File No. Pending  |                       |
| C. Project Location and Background Information: Drainage Feature 13   |                       |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties,   | Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |                       |
| Name of nearest waterbody: Unnamed Wash 13  |                       |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam   |                       |
| HUC Code: 15050306  |                       |
| ✓ Map/Diagram of potential jurisdictional area is available on request  |                       |
| D. Review Performed for Site Evaluation:  |                       |
| Office Determination. Date:   |                       |
| Field Determination. Date: 05/2012  |                       |
|   |                       |
| SECTION II: SUMMARY OF FINDINGS   |                       |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.  |                       |
|   |                       |
| B. CWA Section 404 Determination of Jurisdiction  There Are No  "waters of the U.S." within CWA jurisdiction in the review area.  |                       |
| •   |                       |
| 1. Waters of the US:  |                       |
| Linear Feet Width (ft) and/or Acres   |                       |
| Limits of Jurisdiction based on:  |                       |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined not</li></ul>  | to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drainaconsidered jurisdictional if it possessed a significant nexus with a downstream TNW not possess a significant nexus with the downstream TNW.  | •                     |
| SECTION III: CWA ANALYSIS   |                       |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |                       |
| 1. Identified TNW:  |                       |
| Rationale for TNW determination:  |                       |
| 2. Dationale for any discisor that any continued and a supercontinued in a supercontinued in a supercontinued in the supercontinued |                       |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |                       |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS   |                       |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4                     |
| Drainage Area (sq mi): 0.00004 River Miles from tributary to TNW:   | 30 (or more)          |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:  | 20 (05 55 55)         |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW: Aerial Miles from tributary to RPW:   | 30 (or more)          |
| ☐ Project waters cross or serve as state boundaries. Explain:   |                       |

Feature ID: 13

| eature ID: 13                            |   |
|--|---|
| Identify flow route to                   | o TNW:  |
| •  | within the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography kely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural                    | Explain:  |
| Average Width (ft):                      | 4.92  |
| Average Depth (ft):                      | 1   |
| Average Side Slopes:                     | 2:1   |
| Primary tributary sub  ✓ Silts □ Sands   | bstrate composition (check all that apply): s □ Cobbles □ Bedrock ☑ Gravel □ Vegetation   |
| ☐ Concrete ☐ I                           | Muck Other, Explain:  |
| Tributary Condition/                     | Stability. Explain: Stable  |
|  |   |
| Presence of Run/Riff                     | fle/Pool Complexes. Explain: Not Present  |
| Presence of Run/Riff Tributary Geometry: |   |
| Tributary Geometry:                      |   |

| (c) Flow:                               |                      |   |           |              |            |                  |  |  |
|---|----------------------|---|-----------|--------------|------------|------------------|--|--|
| Tributary Provides for:                 | Ephemeral Flow       | Average                                   | Flow Eve  | ents per ye  | ear:       | 2-5              |  |  |
| Describe Flow Regime:                   | Ephemeral            | Other Information on Duration and Volume: |           |              |            |                  |  |  |
| Surface Flow is:                        | Confined             | Characte                                  | ristics:  |              |            |                  |  |  |
| Subsurface Flow:                        | No                   | Explain:                                  |           |              |            |                  |  |  |
| Tributary Has:                          |                      |   |           |              |            |                  |  |  |
| ☐ Bed and Banks                         |                      |   |           |              |            |                  |  |  |
| ✓ OHWM: OHWM Inc                        | dicators:            |   |           |              |            |                  |  |  |
| $\square$ Clear, natural line i         | mpressed on the banl | · □ \                                     | /egetatio | on matted    | down, b    | ent or absent    |  |  |
| ✓ Changes in soil cha                   | racter               |   | -         | r disturbed  |            |                  |  |  |
| ☐ Shelving                              |                      | □ F                                       | resence   | of litter a  | nd debri   | S                |  |  |
| ☐ Sediment deposition                   | on                   | <b>✓</b> [                                | Destructi | ion of terre | estrial ve | egetation        |  |  |
| Sediment sorting                        |                      |   | Abrupt cl | hange in p   | lant com   | nmunity          |  |  |
| ☐ Scour                                 |                      |   | Multiple  | observed     | or predi   | cted flow events |  |  |
| ☐ Presence of wrack                     | line                 | □ <b>\</b>                                | Water sta | aining       |            |                  |  |  |
| Other (list):                           |                      |   |           |              |            |                  |  |  |
| ☐ Discontinuous? Ex                     | xplain:              |   |           |              |            |                  |  |  |
| (iii) Chemical Characteris              | tics:                |   |           |              |            |                  |  |  |
| Characterize Tributai                   | ry:                  |   |           |              |            |                  |  |  |
| Identify Specific Pollu                 | •                    |   |           |              |            |                  |  |  |
| , | ,                    |   |           |              |            |                  |  |  |
|   |                      |   |           |              |            |                  |  |  |
|   |                      |   |           |              |            |                  |  |  |
|   |                      |   |           |              |            |                  |  |  |

| Riparian Corridor Characteristics:   Wetland Fringe Characteristics:   Wetland Fringe Characteristics:   Habitat for:   Federally Listed Species   Explain:   Fish/Spawn Areas   Explain:   Other environmentally sensitive species   Explain:   O | Feature ID: 13                         |  |
|--|--|--|
| Wetland Fringe Characteristics:  | (iv) Biological Characteristics. Cha   | annel supports (check all that apply):                       |
| Habitat for:    Federally Listed Species   Explain:     Fish/Spawn Areas   Explain:     Other environmentally -sensitive species   Explain:     Aquatic/Wildlife diversity   Explain:  | ☐ Riparian Corridor Charact            | ceristics:   |
| Federally Listed Species   | ☐ Wetland Fringe Character             | ristics:   |
| Gish/Spawn Areas   | Habitat for:                           |  |
| Chter environmentally-sensitive species   Explain:   Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW   | ☐ Federally Listed Species             | Explain:   |
| Aquatic/Wildlife diversity   Explain:  | ·                                      | ·  |
| Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  Physical Characteristics:  Wetland Size (ac): Wetland Quality, Explain: Project Wetlands Cross or Serve as State Boundaries, Explain: Wetland Flow is: Explain: Surface Flow is: Characteristics: Subsurface Flow: Explain Findings:  Wetland Directly Abutting Non-TNW Wetland Directly Abutting Non-TNW Discrete wetland hydrologic connection Explain: Ecological connection Explain: Project Wetlands: River Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain: Chemical Characteristics: Characterize Wetland System: Bibloogical Characteristics. Wetland supports (check all that apply): Riparian Buffer Explain: Vegetation type/percent cover. Explain: Habitat for: Federally Listed Species Explain: Gharacteristics of all wetlands adjacent to the non-TNW tributary (if any)   | ☐ Other environmentally -se            | nsitive species Explain:                                     |
| Physical Characteristics:    Wetland Size (ac):  | $\ \square$ Aquatic/Wildlife diversity | Explain:   |
| Physical Characteristics:   Wetland Size (ac):   | Characteristics of wetlands ad         | liacent to non-TNW that flow directly or indirectly into TNW |
| Wetland Size (ac):   |  | jacent to non-riviv that now unectly of manectly into riviv  |
| Wetland Quality, Explain: Project Wetlands Cross or Serve as State Boundaries, Explain: Wetland Flow is: Surface Flow is: Characteristics: Subsurface Flow: Explain Findings:  Wetland Directly Abutting Non-TNW Wetland Directly Abutting Non-TNW Discrete wetland hydrologic connection Explain: Ecologcal connection Explain: Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain: Chemical Characteristics: Characterize Wetland System: Biological Characteristics. Wetland supports (check all that apply): Riparian Buffer Explain: Vegetation type/percent cover. Explain: Habitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Gharacteristics of all wetlands adjacent to the non-TNW tributary (if any)  | •                                      | Wetland Type, Explain:                                       |
| Wetland Flow is:  Surface Flow is:  Subsurface Flow:  Wetland Directly Abutting Non-TNW  Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Ecological connection Explain:  Separated by berm/barrier Explain:  Project Wetlands: River Miles from TNW:  Project Wetlands: Aerial Miles from TNW:  Flow is From:  Approximate Location of Wetland within Floodplain:  Chemical Characteristics:  Characterize Wetland System:  Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain:  Vegetation type/percent cover. Explain:  Habitat for:  Federally Listed Species Explain:  Given the first of the formal points of the non-TNW tributary (if any)  Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |  |  |
| Surface Flow is:   | Project Wetlands Cross or Se           | rve as State Boundaries, Explain:                            |
| Subsurface Flow: Explain Findings:  Wetland Directly Abutting Non-TNW Wetland Not Directly Abutting Non-TNW Discrete wetland hydrologic connection Explain: Ecological connection Explain: Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain:  Chemical Characteristics: Characterize Wetland System: Biological Characteristics. Wetland supports (check all that apply): Riparian Buffer Explain: Vegetation type/percent cover. Explain: Habitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Aquatic/Wildlife Diversity Explain: Aquatic/Wildlife Diversity Explain: Aquatic/Wildlife Diversity Explain: Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   | •                                      |  |
| Wetland Directly Abutting Non-TNW     Wetland Not Directly Abutting Non-TNW     Discrete wetland hydrologic connection   Explain:     Ecological connection   Explain:     Separated by berm/barrier   Explain:     Project Wetlands: River Miles from TNW:     Project Wetlands: Aerial Miles from TNW:     Flow is From:     Approximate Location of Wetland within Floodplain:     Chemical Characteristics:     Characterize Wetland System:     Biological Characteristics. Wetland supports (check all that apply):     Riparian Buffer   Explain:     Vegetation   type/percent cover. Explain:     Habitat for:     Federally Listed Species   Explain:     Fish/Spawn Areas   Explain:     Other environmentally-sensitive species   Explain:     Aquatic/Wildlife Diversity   Explain:     Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  | Surface Flow is:                       | Characteristics:   |
| □ Wetland Not Directly Abutting Non-TNW   □ Discrete wetland hydrologic connection Explain:   □ Ecological connection Explain:   □ Separated by berm/barrier Explain:   Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW:   Flow is From: Approximate Location of Wetland within Floodplain:   Ochemical Characteristics: Characterize Wetland System:   i) Biological Characteristics. Wetland supports (check all that apply):   □ Riparian Buffer Explain:   □ Vegetation type/percent cover. Explain:   □ Habitat for:   □ Fish/Spawn Areas Explain:   □ Other environmentally-sensitive species Explain:   □ Other environmentally-sensitive species Explain:   □ Aquatic/Wildlife Diversity Explain:   Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   | Subsurface Flow:                       | Explain Findings:  |
| □ Wetland Not Directly Abutting Non-TNW   □ Discrete wetland hydrologic connection Explain:   □ Ecological connection Explain:   □ Separated by berm/barrier Explain:   Project Wetlands: River Miles from TNW:   Project Wetlands: Aerial Miles from TNW:   Flow is From:   Approximate Location of Wetland within Floodplain:    () Chemical Characteristics:  Characterize Wetland System:  i) Biological Characteristics. Wetland supports (check all that apply):  □ Riparian Buffer Explain: □ Vegetation type/percent cover. Explain: □ Habitat for: □ Federally Listed Species Explain: □ Gher environmentally-sensitive species Explain: □ Other environmentally-sensitive species Explain: □ Aquatic/Wildlife Diversity Explain: □ Aquatic/Wildlife Diversity Explain: □ Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  | ☐ Wetland Directly Abutting            | Non-TNW  |
| Discrete wetland hydrologic connection   Explain:     Ecological connection   Explain:     Separated by berm/barrier   Explain:     Project Wetlands: River Miles from TNW:     Project Wetlands: Aerial Miles from TNW:     Flow is From:     Approximate Location of Wetland within Floodplain:     Chemical Characteristics:     Characterize Wetland System:     Biological Characteristics. Wetland supports (check all that apply):     Riparian Buffer   Explain:     Vegetation   type/percent cover. Explain:     Habitat for:     Federally Listed Species   Explain:     Other environmentally-sensitive species   Explain:     Aquatic/Wildlife Diversity   Explain:     Aquatic/Wildlife Diversity   Explain:     Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  | •                                      |  |
| □ Ecological connection Explain: □ Separated by berm/barrier Explain: Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain:  Chemical Characteristics: Characterize Wetland System: □ Biological Characteristics. Wetland supports (check all that apply): □ Riparian Buffer Explain: □ Vegetation type/percent cover. Explain: □ Habitat for: □ Federally Listed Species Explain: □ Other environmentally-sensitive species Explain: □ Other environmentally-sensitive species Explain: □ Aquatic/Wildlife Diversity Explain: □ Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  | ·                                      |  |
| Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain:  Chemical Characteristics: Characterize Wetland System:  i) Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain: Vegetation type/percent cover. Explain: Habitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain: Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  | •                                      |  |
| Project Wetlands: Aerial Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain:  ) Chemical Characteristics: Characterize Wetland System: i) Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain: Vegetation type/percent cover. Explain: Habitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain: Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   | ☐ Separated by berm/bar                | rier Explain:  |
| Flow is From: Approximate Location of Wetland within Floodplain:  ) Chemical Characteristics: Characterize Wetland System:  i) Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain: Vegetation type/percent cover. Explain: Habitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain: Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   | Project Wetlands: River Miles          | s from TNW:  |
| Approximate Location of Wetland within Floodplain:    Chemical Characteristics:   Characterize Wetland System:     Biological Characteristics. Wetland supports (check all that apply):   Riparian Buffer Explain:     Vegetation type/percent cover. Explain:     Habitat for:     Federally Listed Species Explain:     Fish/Spawn Areas Explain:     Other environmentally-sensitive species Explain:     Aquatic/Wildlife Diversity Explain:     Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  | Project Wetlands: Aerial Mile          | es from TNW:   |
| Characterize Wetland System:    Biological Characteristics. Wetland supports (check all that apply):    Riparian Buffer   Explain:     Vegetation type/percent cover. Explain:     Habitat for:     Federally Listed Species   Explain:     Other environmentally-sensitive species   Explain:     Aquatic/Wildlife Diversity   Explain:     Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  | Flow is From:                          |  |
| Characterize Wetland System:  i) Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain:  Vegetation type/percent cover. Explain:  Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally-sensitive species Explain:  Aquatic/Wildlife Diversity Explain:  Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  | Approximate Location of Wet            | tland within Floodplain:                                     |
| i) Biological Characteristics. Wetland supports (check all that apply):    Riparian Buffer   Explain:     Vegetation   type/percent cover. Explain:     Habitat for:     Federally Listed Species   Explain:     Fish/Spawn Areas   Explain:     Other   environmentally-sensitive   Species   Explain:     Aquatic/Wildlife Diversity   Explain:     Characteristics of all   wetlands   adjacent   to the   non-TNW   tributary (if   any)   | ) Chemical Characteristics:            |  |
| □ Riparian Buffer Explain:   □ Vegetation type/percent cover. Explain:   Habitat for:   □ Federally Listed Species Explain:   □ Fish/Spawn Areas Explain:   □ Other environmentally-sensitive species Explain:   □ Aquatic/Wildlife Diversity Explain:    Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   | Characterize Wetland System            | n:   |
| □ Riparian Buffer Explain:   □ Vegetation type/percent cover. Explain:   Habitat for:   □ Federally Listed Species Explain:   □ Fish/Spawn Areas Explain:   □ Other environmentally-sensitive species Explain:   □ Aquatic/Wildlife Diversity Explain:    Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   | i) Biological Characteristics. We      | etland supports (check all that apply):                      |
| <ul> <li>□ Vegetation type/percent cover. Explain:</li> <li>Habitat for:</li> <li>□ Federally Listed Species Explain:</li> <li>□ Fish/Spawn Areas Explain:</li> <li>□ Other environmentally-sensitive species Explain:</li> <li>□ Aquatic/Wildlife Diversity Explain:</li> </ul> Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |  |  |
| Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally-sensitive species Explain:  Aquatic/Wildlife Diversity Explain:  Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  | ·                                      |  |
| ☐ Federally Listed Species Explain: ☐ Fish/Spawn Areas Explain: ☐ Other environmentally-sensitive species Explain: ☐ Aquatic/Wildlife Diversity Explain:  Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   | 7, .,                                  | cover. Explain.  |
| ☐ Fish/Spawn Areas Explain: ☐ Other environmentally-sensitive species Explain: ☐ Aquatic/Wildlife Diversity Explain:  Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |  | Explain:   |
| ☐ Other environmentally-sensitive species Explain: ☐ Aquatic/Wildlife Diversity Explain:  Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |  |  |
| ☐ Aquatic/Wildlife Diversity Explain:  Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  | • •                                    |  |
|  | •                                      |  |
|  | Characteristics of all wetlands        | adiacent to the non-TNW tributary (if any)                   |
| All wediana(s) considered in cumulative dilalysis.   |  |  |
| Wetland acres in total being considered in cumulative analysis:  |  |  |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions):  |  |  |

| <b>C.</b> S                     | GNIFICANT NEXUS DETERMINATION   |
|---------------------------------|---|
|                                 | Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly to TNW. Explain:  |
| b<br>d<br>d<br>p<br>c<br>d<br>d | nis unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River etween Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood scharges, in combination with the geomorphology of the Analysis Area, the presence of a significant ownstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the ossibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or ritical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This rainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or ological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant exus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. |
|                                 | . Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly r indirectly into TNW. Explain:  |
|                                 | Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. splain:   |
| ). C                            | ETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| 1                               | TNWs and Adjacent Wetlands  |
|                                 | TNWs: Linear Feet Width (ft), Or, Acres   |
| [                               | Wetlands adjacent to TNWs: Acres  |
| F                               | eserved for Section III D 2 (RPWs):   |
| 3                               | . Non-RPWs that flow directly or indirectly into TNWs.  |
| [                               | Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.   |
|                                 | Length (Linear Feet): Width (feet): Acres:  |
|                                 | Reserved for Section III D 4 (Wetlands directly abutting RPWs):   |
|                                 | Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |
|                                 | 5. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |
|                                 | ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  |
|                                 | Estimated size of jurisdictional wetland (in acres):  |
|                                 | 7. Impoundments of jurisdictional waters.   |
|                                 | Demonstration of Jurisdiction:  |
|                                 | OLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF ICH COULD AFFECT INTERSTATE COMMERCE   |
|                                 | Supporting rationale:   |
|                                 | puppor unig radonale.   |

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 13  |   |               |                        |                  |  |
|---|---|---------------|------------------------|------------------|--|
| As described in Section 3C possess a significant nexus  | 1 above, an analysis of this epwith the nearest TNW.  | hemeral drain | age determined th      | at it did not    |  |
| Explain finding of Other:   |   |               |                        |                  |  |
| ✓ Non-wetland waters  | 226.98 linear feet (ft  | ), 4.92       | width (ft)             |                  |  |
| <ul><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | acres   |               |                        |                  |  |
|   |   |               |                        |                  |  |
| SECTION IV: DATA SOURCES  |   | ,             |                        |                  |  |
| ✓ Data Sheets Prepared/ ☐ Office Concurs with   | at Submitted by Applicant/C<br>Submitted on behalf of Applica<br>delineation<br>ncur with delineation |               | vestLand Resource      | s, Inc.          |  |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Water</li> <li>□ US Geological Survey H</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digital</li> </ul> | Study<br>ydrologic Atlas  |               |                        |                  |  |
|   | lap(s) Scale and Quad Name ins SE, North Komelik, and Sai   |               | ntains NW 7.5-Min      | ute Quadrangles  |  |
| ☐ USDA Nat'l Res Conser   | vation Service Soil Survey Ci   | tation:       |                        |                  |  |
| ☐ National Wetlands Inv   | ·   | ie:           |                        |                  |  |
| <ul><li>☐ State/Local Wetland Ir</li><li>☐ FEMA/FIR Maps</li></ul>  | ventory Maps  |               |                        |                  |  |
| ☐ 100-year Floodplain El  | evation is:   | (Nationa      | <br>I Geodetic Vertica | l Datum of 1929) |  |
|   | lame and Date): BING, Micro   | -             |                        |                  |  |
| ✓ Other Photographs (I  | lame and Date): Ground Pho  | tos; May 2012 | 2                      |                  |  |
| Previous Determination  | ns File No. and Date of Resp  | onse Letter:  |                        |                  |  |
| Applicable/Supporting   |   |               |                        |                  |  |
| ☐ Applicable/Supporting   |   | 1:            |                        |                  |  |
| Other Information, Ple  | ise Specity:  |               |                        |                  |  |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION  |                          |
|--|--------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                          |
| B. District Office and File No: Los Angeles District, File No. Pending   |                          |
| C. Project Location and Background Information: Drainage Feature 14  |                          |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Countie  | s, Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                          |
| Name of nearest waterbody: Unnamed Wash 14   |                          |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dan  | ำ                        |
| HUC Code: 15050306   |                          |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                          |
| D. Review Performed for Site Evaluation:   |                          |
| Office Determination. Date:  |                          |
| Field Determination. Date: 05/2012   |                          |
|  |                          |
| SECTION II: SUMMARY OF FINDINGS  |                          |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.   |                          |
|  |                          |
| B. CWA Section 404 Determination of Jurisdiction   |                          |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.  |                          |
| 1. Waters of the US:   |                          |
| Linear Feet Width (ft) and/or Acres  |                          |
| Limits of Jurisdiction based on:   |                          |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined n</li></ul>   | ot to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drain considered jurisdictional if it possessed a significant nexus with a downstream TNV not possess a significant nexus with the downstream TNW. | •                        |
| SECTION III: CWA ANALYSIS  |                          |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                          |
| 1. Identified TNW:   |                          |
| Rationale for TNW determination:   |                          |
| 2. Deticable for an alwains that any wetlands are seen to discountly.  |                          |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                          |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                          |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                        |
| Drainage Area (sq mi): 0.00061 River Miles from tributary to TNW   |                          |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW  |                          |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW Aerial Miles from tributary to RPW  |                          |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                          |

Feature ID: 14

| Identify flow route to                                  |                       | la a A a a la ata                   | •  | Treatment of the tree |             | December 1                                   | . 1. |
|---|-----------------------|-------------------------------------|--|-----------------------|-------------|--|------|
| Unnamed drainages of the suggests the most like River.  |                       | •                                   |  | •                     | •           | Rosa Wash. Topograp<br>Cruz Wash to the Gila | ony  |
| Tributary is: Natural                                   |                       | Explain:                            |  |                       |             |  |      |
| Average Width (ft):                                     | 5.12                  |                                     |  |                       |             |  |      |
| Average Depth (ft):                                     | 1                     |                                     |  |                       |             |  |      |
| Average Side Slopes:                                    | 2:1                   |                                     |  |                       |             |  |      |
| rimary tributary sub                                    | strate                | compositio                          | n (check all                               | I that apply):        |             |  |      |
| Primary tributary sub<br>✓ Silts ☐ Sands ☐ Concrete ☐ N |                       | composition<br>Cobbles<br>Other, Ex | ☐ Bedro                                    | _                     | ☐ Vegetatio | on   |      |
| ✓ Silts ☐ Sands   | /luck                 | Cobbles Other, Ex                   | ☐ Bedro                                    |                       | ☐ Vegetatio | on   |      |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M Tributary Condition/S    | √uck<br>Stability     | Cobbles Other, Ex                   | ☐ Bedro                                    |                       | □ Vegetatio | on   |      |
| ✓ Silts ☐ Sands ☐ Concrete ☐ N                          | Muck Stability e/Pool | Cobbles Other, Ex                   | ☐ Bedro<br>xplain:<br>Stable<br>. Explain: | ock 🗹 Gravel          | □ Vegetatio | on   |      |

| (c) Flow:                  |                       |             |   |             |           |                  |  |  |
|----------------------------|-----------------------|-------------|---|-------------|-----------|------------------|--|--|
| Tributary Provides for:    | Ephemeral Flow        | Average F   | low Eve                                   | ents per y  | ear:      | 2-5              |  |  |
| Describe Flow Regime:      | Ephemeral             | Other Info  | Other Information on Duration and Volume: |             |           |                  |  |  |
| Surface Flow is:           | Confined              | Character   | ristics:                                  |             |           |                  |  |  |
| Subsurface Flow:           | No                    | Explain:    |   |             |           |                  |  |  |
| Tributary Has:             |                       |             |   |             |           |                  |  |  |
| D Bed and Banks            |                       |             |   |             |           |                  |  |  |
| ✓ OHWM: OHWM Inc           | dicators:             |             |   |             |           |                  |  |  |
|                            | impressed on the bank | : □ V       | egetati                                   | on matted   | down,     | pent or absent   |  |  |
| ✓ Changes in soil cha      | •                     |             | -   |             |           | shed away        |  |  |
| ☐ Shelving                 |                       | □ P         | resence                                   | of litter a | nd debr   | is               |  |  |
| ☐ Sediment deposition      | on                    | <b>✓</b> D  | estruct                                   | ion of terr | estrial v | egetation        |  |  |
| Sediment sorting           |                       | □ A         | brupt c                                   | hange in p  | lant cor  | nmunity          |  |  |
| ☐ Scour                    |                       | $\square$ N | 1ultiple                                  | observed    | or predi  | cted flow events |  |  |
| ☐ Presence of wrack        | line                  | □ W         | /ater st                                  | aining      |           |                  |  |  |
| Other (list):              |                       |             |   |             |           |                  |  |  |
| ☐ Discontinuous? Ex        | xplain:               |             |   |             |           |                  |  |  |
| (iii) Chemical Characteris | stics:                |             |   |             |           |                  |  |  |
| Characterize Tributa       |                       |             |   |             |           |                  |  |  |
| Identify Specific Poll     | •                     |             |   |             |           |                  |  |  |
| identity Specific Follo    | atants, ii known.     |             |   |             |           |                  |  |  |
|                            |                       |             |   |             |           |                  |  |  |
|                            |                       |             |   |             |           |                  |  |  |
|                            |                       |             |   |             |           |                  |  |  |

| Feature ID: 14                         |   |
|--|---|
| (iv) Biological Characteristics. Chan  | nel supports (check all that apply):  |
| ☐ Riparian Corridor Character          | istics:   |
| ☐ Wetland Fringe Characterist          | cics:   |
| Habitat for:                           |   |
|  | plain:  |
|  | plain:  |
| ☐ Other environmentally -sens          | itive species Explain:  |
| ☐ Aquatic/Wildlife diversity E         | xplain:   |
| 2. Chamastanistics of weatlands adia   | count to your TANA/ that flow diverthy by indiverthy into TANA/                       |
| (i) Physical Characteristics:          | cent to non-TNW that flow directly or indirectly into TNW                             |
| Wetland Size (ac):                     | Wetland Type, Explain:  |
| Wetland Quality, Explain:              |   |
| Project Wetlands Cross or Serve        | e as State Boundaries, Explain:   |
| Wetland Flow is:                       | Explain:  |
| Surface Flow is:                       | Characteristics:  |
| Subsurface Flow:                       | Explain Findings:   |
| ☐ Wetland Directly Abutting N          | on-TNW  |
| ☐ Wetland Not Directly Abuttir         | ng Non-TNW  |
| ☐ Discrete wetland hydrolog            | ·   |
| Ecological connection Ex               |   |
| $\square$ Separated by berm/barrie     | ·   |
| Project Wetlands: River Miles f        |   |
| Project Wetlands: Aerial Miles         | from TNW:   |
| Flow is From:                          |   |
| Approximate Location of Wetla          | nd within Floodplain:   |
| (ii) Chemical Characteristics:         |   |
| Characterize Wetland System:           |   |
| (iii) Biological Characteristics. Wetl | and supports (check all that apply):  |
| ☐ Riparian Buffer Explain:             |   |
| ☐ Vegetation type/percent co           | ver. Explain:   |
| Habitat for:                           |   |
| ☐ Federally Listed Species Ⅰ           | Explain:  |
| ☐ Fish/Spawn Areas Explain             |   |
| ☐ Other environmentally-se             |   |
| ☐ Aquatic/Wildlife Diversity           | Explain:  |
| 3. Characteristics of all wetlands a   | djacent to the non-TNW tributary (if any)   |
| All wetland(s) considered in cur       | nulative analysis:  |
| Wetland acres in total being co        | nsidered in cumulative analysis:  |
| Describe each wetland (directly        | abuts tributary?; size in acres; overall biological, chemical or physical functions): |
|  |   |
|  |   |

| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  | Gila River<br>ant<br>s that the<br>s or<br>inage<br>V. This<br>nd/or<br>gnificant |
|---|---|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significa downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drai does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW drainage does not have more than a speculative or insubstantial effect on the physical, chemical, an biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a signexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RP Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs:  Linear Feet  Width (ft), Or,  Acres  Wetlands adjacent to TNWs:  Acres  Reserved for Section III D 2 (RPWs): | ant<br>s that the<br>s or<br>inage<br>V. This<br>nd/or<br>gnificant<br>irectly    |
| or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RP Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs:  Linear Feet  Width (ft), Or,  Acres  Reserved for Section III D 2 (RPWs):   | •   |
| Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):   | w.  |
| D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):   |   |
|   |   |
|   |   |
| <ul> <li>3. Non-RPWs that flow directly or indirectly into TNWs.</li> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant with a TNW, and is therfore jurisdictional.</li> <li>Length (Linear Feet): Width (feet): Acres:</li> </ul>  | nexus   |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):   |   |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |   |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |   |
| <ul> <li>□ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent we has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> </ul>   | etlands,  |
| 7. Impoundments of jurisdictional waters.   |   |
| Demonstration of Jurisdiction:  |   |
| E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION WHICH COULD AFFECT INTERSTATE COMMERCE   | N OF  |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 14   |                                   |                                      |             |                  |                  |  |
|--|-----------------------------------|--------------------------------------|-------------|------------------|------------------|--|
| As described in Section 30 possess a significant nexus   |                                   |                                      | eral draina | ge determined th | nat it did not   |  |
| Explain finding of Other:  |                                   |                                      |             |                  |                  |  |
| <ul><li>Non-wetland waters</li><li>Other waters</li><li>Wetlands</li></ul>   | 3339.86                           | linear feet (ft),<br>acres<br>acres  | 5.12        | width (ft)       |                  |  |
| SECTION IV: DATA SOURCES   |                                   |                                      |             |                  |                  |  |
| <ul><li>✓ Maps, Plans, Plots or P</li><li>✓ Data Sheets Prepared/</li><li>☐ Office Concurs with</li><li>☐ Office Does Not Co</li></ul>                             | /Submitted on be<br>n delineation | ehalf of Applicant                   | ultant: W   | estLand Resource | es, Inc.         |  |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas       |                                      |             |                  |                  |  |
| ✓ US Geological Survey N<br>Silver Reef Mounta   |                                   | d Quad Name:<br>melik, and Santa R   | osa Mount   | ains NW 7.5-Mir  | ute Quadrangles  |  |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul>                            | entory Maps                       | oil Survey Citatio<br>Cite Map Name: | n:          |                  |                  |  |
| ☐ 100-year Floodplain El   | evation is:                       |                                      | (National   | Geodetic Vertica | l Datum of 1929) |  |
| ✓ Aerial Photographs (   | •                                 |                                      |             | th 2008          |                  |  |
| ✓ Other Photographs (  | •                                 |                                      |             |                  |                  |  |
| <ul><li>☐ Previous Determinatio</li><li>☐ Applicable/Supporting</li></ul>  |                                   | •                                    | Letter:     |                  |                  |  |
| ☐ Applicable/Supporting  |                                   |                                      |             |                  |                  |  |
| Other Information, Ple   |                                   | C. C.C.C.O.II.                       |             |                  |                  |  |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION  |                             |
|--|-----------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                             |
| B. District Office and File No: Los Angeles District, File No. Pending   |                             |
| C. Project Location and Background Information: Drainage Feature 15  |                             |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal County   | ties, Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                             |
| Name of nearest waterbody: Unnamed Wash 15   |                             |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie D  | am                          |
| HUC Code: 15050306   |                             |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                             |
| D. Review Performed for Site Evaluation:   |                             |
| Office Determination. Date:  |                             |
| Field Determination. Date: 05/2012   |                             |
|  |                             |
| SECTION II: SUMMARY OF FINDINGS  |                             |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review are   | 22                          |
|  | ca.                         |
| B. CWA Section 404 Determination of Jurisdiction  There Are No  "waters of the U.S." within CWA jurisdiction in the review area.   |                             |
| ·  |                             |
| 1. Waters of the US:   |                             |
| Linear Feet Width (ft) and/or Acre   | <b>2S</b>                   |
| Limits of Jurisdiction based on:   |                             |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined</li></ul>   | I not to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this d considered jurisdictional if it possessed a significant nexus with a downstream T not possess a significant nexus with the downstream TNW. | •                           |
| SECTION III: CWA ANALYSIS  |                             |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                             |
| 1. Identified TNW:   |                             |
| Rationale for TNW determination:   |                             |
| 2. Deticate la ferra conducion that any continue la granda de la continue la discontilla   |                             |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                             |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                             |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                           |
| Drainage Area (sq mi): 0.00310 River Miles from tributary to TN  |                             |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RP   |                             |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TI Aerial Miles from tributary to RI  |                             |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                             |

Feature ID: 15

| Identify flow route to   |                           |                       |              |                |      |             |   |  |
|--|---------------------------|-----------------------|--------------|----------------|------|-------------|---|--|
| Unnamed drainages v<br>suggests the most lik                                 |                           | •                     |              | •              |      |             |   |  |
| River.   |                           |                       |              |                |      |             |   |  |
| Tributary is: Natural  |                           | Explain:              |              |                |      |             |   |  |
| Average Width (ft):  | 7.47                      |                       |              |                |      |             |   |  |
| Average Depth (ft):  | 1                         |                       |              |                |      |             |   |  |
|  |                           |                       |              |                |      |             |   |  |
|  |                           | compositio            | on (check al | l that apply): |      |             |   |  |
| Average Side Slopes:  Primary tributary sub  ✓ Silts   ☐ Sands               | ostrate o                 | compositic<br>Cobbles | on (check al |                | avel | □ Vegetatio | n |  |
| Primary tributary sub  Silts Sands   | ostrate o                 | •                     | ☐ Bedro      |                | avel | □ Vegetatio | n |  |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N                        | ostrate o                 | Cobbles<br>Other, E   | ☐ Bedro      |                | avel | □ Vegetatio | n |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Fributary Condition/S | ostrate o  Muck Stability | Cobbles Other, E      | ☐ Bedro      |                |      | □ Vegetatio | n |  |
| Primary tributary sub  ☑ Silts ☐ Sands                                       | ostrate of Stability      | Cobbles Other, E      | Bedro        | ock ☑ Gra      |      | □ Vegetatio | n |  |

| (c) Flow:                               |                      |            |           |              |            |                  |  |
|---|----------------------|------------|-----------|--------------|------------|------------------|--|
| Tributary Provides for:                 | Ephemeral Flow       | Average    | Flow Eve  | ents per ye  | ear:       | 2-5              |  |
| Describe Flow Regime:                   | Ephemeral            | Other Inf  | ormatio   | n on Dura    | tion and   | Volume:          |  |
| Surface Flow is:                        | Confined             | Characte   | ristics:  |              |            |                  |  |
| Subsurface Flow:                        | No                   | Explain:   |           |              |            |                  |  |
| Tributary Has:                          |                      |            |           |              |            |                  |  |
| ☐ Bed and Banks                         |                      |            |           |              |            |                  |  |
| ✓ OHWM: OHWM Inc                        | dicators:            |            |           |              |            |                  |  |
| $\square$ Clear, natural line i         | mpressed on the banl | · □ \      | /egetatio | on matted    | down, b    | ent or absent    |  |
| ✓ Changes in soil cha                   | racter               |            | -         | r disturbed  |            |                  |  |
| ☐ Shelving                              |                      | □ F        | resence   | of litter a  | nd debri   | S                |  |
| ☐ Sediment deposition                   | on                   | <b>✓</b> [ | Destructi | ion of terre | estrial ve | egetation        |  |
| Sediment sorting                        |                      |            | Abrupt cl | hange in p   | lant com   | nmunity          |  |
| ☐ Scour                                 |                      |            | Multiple  | observed     | or predi   | cted flow events |  |
| ☐ Presence of wrack                     | line                 | □ <b>\</b> | Water sta | aining       |            |                  |  |
| Other (list):                           |                      |            |           |              |            |                  |  |
| ☐ Discontinuous? Ex                     | xplain:              |            |           |              |            |                  |  |
| (iii) Chemical Characteris              | tics:                |            |           |              |            |                  |  |
| Characterize Tributai                   | ry:                  |            |           |              |            |                  |  |
| Identify Specific Pollu                 | •                    |            |           |              |            |                  |  |
| , | ,                    |            |           |              |            |                  |  |
|   |                      |            |           |              |            |                  |  |
|   |                      |            |           |              |            |                  |  |
|   |                      |            |           |              |            |                  |  |

| Feature ID: 15   |  |
|--|--|
| v) Biological Characteristics. Cha   | nnel supports (check all that apply):  |
| ☐ Riparian Corridor Characte   | eristics:  |
| ☐ Wetland Fringe Characteris   | istics:  |
| Habitat for:   |  |
| ☐ Federally Listed Species E   | Explain:   |
| ·  | Explain:   |
| ☐ Other environmentally -sen   | nsitive species Explain:   |
| $\square$ Aquatic/Wildlife diversity   | Explain:   |
| Characteristics of wetlands adi  | acent to non-TNW that flow directly or indirectly into TNW   |
| ) Physical Characteristics:  | acent to non-riviv that now unectry of munectry into riviv   |
| Wetland Size (ac):   | Wetland Type, Explain:   |
| Wetland Quality, Explain:  | · · · · ·  |
| Project Wetlands Cross or Ser  | ve as State Boundaries, Explain:   |
| Wetland Flow is:   | Explain:   |
| Surface Flow is:   | Characteristics:   |
| Subsurface Flow:   | Explain Findings:  |
| ☐ Wetland Directly Abutting N  | Non-TNW  |
| ☐ Wetland Not Directly Abutt   |  |
| ☐ Discrete wetland hydrological in the control of |  |
| ☐ Ecologcal connection E   |  |
| ☐ Separated by berm/barri  |  |
| Project Wetlands: River Miles  | from TNW:  |
| Project Wetlands: Aerial Miles   | s from TNW:  |
| Flow is From:  |  |
| Approximate Location of Wetl   | land within Floodplain:  |
| ) Chemical Characteristics:  |  |
| Characterize Wetland System:   | :  |
|  | tland supports (check all that apply):   |
| ☐ Riparian Buffer Explain:   | tiana supports (encert an that appry).   |
| ☐ Vegetation type/percent of   | cover Evaluin:   |
| Habitat for:   | Lover. Explain.  |
| ☐ Federally Listed Species   | Explain:   |
| ☐ Fish/Spawn Areas Expla   |  |
| ☐ Other environmentally-s  |  |
| ☐ Aquatic/Wildlife Diversit  | ·  |
| •  | adjacent to the non-TNW tributary (if any)   |
| Characteristics of all wetlallus   |  |
|  | HILLIALIVE AUGUSIS   |
| All wetland(s) considered in cu  | ·  |
| All wetland(s) considered in co<br>Wetland acres in total being co   | considered in cumulative analysis:  ly abuts tributary?; size in acres; overall biological, chemical or physical functions): |

| . SIGNIFICANT NEXUS DETERN  | MINATION  |
|---|---|
| 1. Significant nexus findings into TNW. Explain:  | for non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and G<br>discharges, in combination w<br>downstream manmade impo<br>possibility of a hydrologic cor<br>critical habitats were identified<br>does not provide lifecycle sup<br>drainage does not have more<br>biological integrity of the TNV | ainage is located more than 100 river miles from the nearest TNW, the Gila Ri Gillespie Dam. An analysis of peak yearly discharges and potential flood with the geomorphology of the Analysis Area, the presence of a significant bundment (Tat Momolikot Dam), and the distance to the TNW, suggests that to nnection between this drainage and the TNW is tenuous. No pollutants or led within the Analysis Area. Additionally, this unnamed ephemeral drainage pport functions, nutrients, or organic carbon to species within the TNW. This is than a speculative or insubstantial effect on the physical, chemical, and/or W. Therefore, this unnamed ephemeral drainage does not possess a significant the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings or indirectly into TNW. Expla   | for non-RPW and its adjacent wetlands, where the non-RPW flows directly ain:  |
| •   | for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
| . DETERMINATIONS OF JURIS   | DICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| 1. TNWs and Adjacent Wetla  | ands  |
| _   | near Feet Width (ft), Or, Acres   |
| Wetlands adjacent to TN   |   |
| Reserved for Section III D 2 (I   |   |
| 3. Non-RPWs that flow direct  |   |
| <u></u>   | erbody that flows directly or indirectly into a TNW and has a signficant nexus  |
| Reserved for Section III D 4  | (Wetlands directly abutting RPWs):  |
| Reserved for Section III D 5  | (Wetlands adjacent to but not directly abutting RPWs):  |
| 6. Wetlands adjacent to no  | n-RPWs that flow directly or indirectly into TNWs.  |
| ☐ Wetland adjacent to non has a significant nexus w   | n-RPWs which, in combination with the tributary and other adjacent wetlands with the TNW.   |
| Estimated size of jurisdic  | ctional wetland (in acres):   |
| 7. Impoundments of jurisdi  | ctional waters.   |
|   | iction:   |
| Demonstration of Jurisdi  |   |
|   | ING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF TATE COMMERCE   |
| . ISOLATED WATERS, INCLUDI  |   |
| . ISOLATED WATERS, INCLUDI  |   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 15  |   |
|---|---|
| As described in Section 30 possess a significant nexu   | C1 above, an analysis of this ephemeral drainage determined that it did not us with the nearest TNW.                                    |
| Explain finding of Other:   |   |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>  | 11578.74 linear feet (ft), 7.47 width (ft) acres acres  |
| SECTION IV: DATA SOURCES  |   |
| ✓ Data Sheets Prepared,  ☐ Office Concurs with  | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. /Submitted on behalf of Applicant h delineation oncur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey For USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | er Study<br>Hydrologic Atlas  |
| ✓ US Geological Survey I  | Map(s) Scale and Quad Name: rains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                 |
| USDA Nat'l Res Conser   | rvation Service Soil Survey Citation:   |
| □ National Wetlands Inv □ State/Local Wetland In □ FEMA/FIR Maps  | ventory Maps Cite Map Name:   |
| ☐ 100-year Floodplain El  | levation is: (National Geodetic Vertical Datum of 1929)   |
|   | (Name and Date): BING, Microsoft Virtual Earth 2008   |
| ✓ Other Photographs (   | Name and Date): Ground Photos; May 2012   |
| ☐ Previous Determination  | ons File No. and Date of Response Letter:   |
| Applicable/Supporting   |   |
| $\square$ Applicable/Supporting   |   |
| Other Information, Ple  | ease Specify:   |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>       |                      |  |                             |
|--|---------------------|----------------------|--|-----------------------------|
| A. Report Completion Date for App  | oroved Jurisdiction | nal Determination    | n: 07/30/2012                          |                             |
| B. District Office and File No: Los  | Angeles District, I | File No. Pending     |  |                             |
| C. Project Location and Background   | d Information: I    | Drainage Feature     | 15A                                    |                             |
| City, County, State Sif Oidak Dis  | strict, Tohono O'o  | dham Nation, Pin     | na and Pinal Cour                      | nties, Arizona              |
| Center coordinates of site: Lat.   | 32.5073             | Long111.91           | 100                                    |                             |
| Name of nearest waterbody: Un  | named Wash 15A      |                      |  |                             |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                     | W: Gila River bet   | ween Powers But      | tte and Gillespie I                    | Dam                         |
| ✓ Map/Diagram of potential juris   | dictional area is a | vailable on reque    | st                                     |                             |
| D. Review Performed for Site Evalu   | lation:             |                      |  |                             |
| Office Determination. Date:  |                     |                      |  |                             |
| Field Determination. Date: 05/   | 2012                |                      |  |                             |
| SECTION II: SUMMARY OF FINDIN  | GS                  |                      |  |                             |
| A. RHA Section 10 Determination  |                     |                      |  |                             |
| There Are No "navigable waters   | s of the U.S." with | in RHA jurisdictio   | n in the review a                      | rea.                        |
| B. CWA Section 404 Determination   | n of Jurisdiction   |                      |  |                             |
| There Are No "waters of the  | ne U.S." within CV  | VA jurisdiction in t | the review area.                       |                             |
| 1. Waters of the US:   |                     |                      |  |                             |
| Linear Feet  | W                   | idth (ft) and/or     | Acr                                    | es                          |
| Limits of Jurisdiction based on:   |                     |                      |  |                             |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional water</li> </ol> |                     | ands were assesse    | ed and determine                       | d not to be jurisdictional: |
| Drainage is ephemeral and  |                     |                      |  | <u> </u>                    |
| considered jurisdictional if not possess a significant ne                                | it possessed a sig  | nificant nexus wit   | •                                      |                             |
| SECTION III: CWA ANALYSIS  |                     |                      |  |                             |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs         |                      |  |                             |
| 1. Identified TNW:   |                     |                      |  |                             |
| Rationale for TNW determinate  | tion:               |                      |  |                             |
| 2. Rationale for conclusion tha  | it any wetlands pr  | resent are "adjace   | ent":                                  |                             |
| B. CHARACTERISTICS OF NON-TN   | W TRIBUTARY AN      | D ITS ADJACENT V     | VETLANDS                               |                             |
| TNW Watershed Size (sq mi):  | 49650               | Tributaries flo      |  | 4                           |
| Drainage Area (sq mi):   | 0.00166             |                      | om tributary to T                      |                             |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                              | 8.5<br>0            |                      | om tributary to R<br>om tributary to T |                             |
| Average Alliluai Siluwiaii (III).  | J                   |                      | om tributary to f                      |                             |
| ☐ Project waters cross or serv   | ve as state bounda  |                      | , -                                    |                             |

Feature ID: 15A

| _   | ithin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topograp<br>ly route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|---|---|
| Tributary is: Natural   | Explain:  |
| Average Width (ft):   | 5.26  |
| Average Depth (ft):   | 1   |
| 0 1 1 ,   |   |
| Average Side Slopes:<br>Primary tributary sub   | trate composition (check all that apply):   |
| Average Side Slopes:  | trate composition (check all that apply): ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation   |
| Average Side Slopes: Primary tributary sub Silts Sands Concrete N                                   | trate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  uck Other, Explain:   |
| everage Side Slopes:  Primary tributary sub  ✓ Silts □ Sands  □ Concrete □ N  Tributary Condition/S | trate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  uck Other, Explain:   |
| Average Side Slopes:  Primary tributary sub Silts Sands Concrete N Tributary Condition/S            | trate composition (check all that apply):  Cobbles Bedrock Gravel Vegetation  uck Other, Explain:  ability. Explain: Stable   |

| (c) Flow:                  |                      |            |            |              |            |                  |  |
|----------------------------|----------------------|------------|------------|--------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow       | Average    | Flow Eve   | ents per ye  | ear:       | 2-5              |  |
| Describe Flow Regime:      | Ephemeral            | Other Inf  | ormatio    | n on Dura    | tion and   | Volume:          |  |
| Surface Flow is:           | Confined             | Characte   | ristics:   |              |            |                  |  |
| Subsurface Flow:           | No                   | Explain:   |            |              |            |                  |  |
| Tributary Has:             |                      |            |            |              |            |                  |  |
| ☐ Bed and Banks            |                      |            |            |              |            |                  |  |
| ✓ OHWM: OHWM Inc           | licators:            |            |            |              |            |                  |  |
| ☐ Clear, natural line i    | mpressed on the bank | :          | /egetatio  | on matted    | down, b    | ent or absent    |  |
| Changes in soil cha        | racter               |            | eaf litte. | r disturbed  | d or was   | hed away         |  |
| ☐ Shelving                 |                      | □ F        | resence    | of litter a  | nd debri   | S                |  |
| Sediment deposition        | on                   | <b>✓</b> [ | Destruct   | ion of terre | estrial ve | egetation        |  |
| ✓ Sediment sorting         |                      |            | Abrupt c   | hange in p   | lant com   | nmunity          |  |
| ☐ Scour                    |                      |            | Multiple   | observed     | or predic  | cted flow events |  |
| ☐ Presence of wrack        | line                 | □ <b>\</b> | Vater st   | aining       |            |                  |  |
| Other (list):              |                      |            |            |              |            |                  |  |
| ☐ Discontinuous? Ex        | plain:               |            |            |              |            |                  |  |
| (iii) Chemical Characteris | tics:                |            |            |              |            |                  |  |
| Characterize Tributar      | ry:                  |            |            |              |            |                  |  |
| Identify Specific Pollu    | utants, if known:    |            |            |              |            |                  |  |
|                            |                      |            |            |              |            |                  |  |
|                            |                      |            |            |              |            |                  |  |
|                            |                      |            |            |              |            |                  |  |
|                            |                      |            |            |              |            |                  |  |

| Feature ID: 15A   |     |  |  |  |
|---|-----|--|--|--|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |     |  |  |  |
| Riparian Corridor Characteristics:  |     |  |  |  |
| ☐ Wetland Fringe Characteristics:   |     |  |  |  |
| Habitat for:  |     |  |  |  |
| Federally Listed Species Explain:   |     |  |  |  |
| Fish/Spawn Areas Explain:   |     |  |  |  |
| Other environmentally -sensitive species Explain:   |     |  |  |  |
| ☐ Aquatic/Wildlife diversity Explain:   |     |  |  |  |
| <ol><li>Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW</li><li>(i) Physical Characteristics:</li></ol>   |     |  |  |  |
| Wetland Size (ac): Wetland Type, Explain:   |     |  |  |  |
| Wetland Quality, Explain:   |     |  |  |  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |     |  |  |  |
| Wetland Flow is: Explain:   |     |  |  |  |
| Surface Flow is: Characteristics:   |     |  |  |  |
| Subsurface Flow: Explain Findings:  |     |  |  |  |
| <ul> <li>□ Wetland Directly Abutting Non-TNW</li> <li>□ Wetland Not Directly Abutting Non-TNW</li> <li>□ Discrete wetland hydrologic connection Explain:</li> <li>□ Ecological connection Explain:</li> <li>□ Separated by berm/barrier Explain:</li> <li>Project Wetlands: River Miles from TNW:</li> <li>Project Wetlands: Aerial Miles from TNW:</li> <li>Flow is From:</li> <li>Approximate Location of Wetland within Floodplain:</li> <li>(ii) Chemical Characteristics:</li> </ul> |     |  |  |  |
| Characterize Wetland System:  |     |  |  |  |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |     |  |  |  |
| ☐ Riparian Buffer Explain:  |     |  |  |  |
| ☐ Vegetation type/percent cover. Explain:   |     |  |  |  |
| Habitat for:  |     |  |  |  |
| <ul><li>☐ Federally Listed Species Explain:</li><li>☐ Fish/Spawn Areas Explain:</li></ul>   |     |  |  |  |
| <ul> <li>☐ Other environmentally-sensitive species Explain:</li> </ul>  |     |  |  |  |
| ☐ Other environmentally-sensitive species Explain: ☐ Aquatic/Wildlife Diversity Explain:  |     |  |  |  |
|   |     |  |  |  |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |     |  |  |  |
| All wetland(s) considered in cumulative analysis:   |     |  |  |  |
| Wetland acres in total being considered in cumulative analysis:   | ,   |  |  |  |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical function  | 5): |  |  |  |

| C. SIGNIFICANT NEXUS DET  | FERMINATION  |
|---|--|
| 1. Significant nexus find into TNW. Explain:  | ings for non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte a discharges, in combination downstream manmade in possibility of a hydrologic critical habitats were ide does not provide lifecycle drainage does not have a biological integrity of the            | al drainage is located more than 100 river miles from the nearest TNW, the Gila River and Gillespie Dam. An analysis of peak yearly discharges and potential flood on with the geomorphology of the Analysis Area, the presence of a significant impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the connection between this drainage and the TNW is tenuous. No pollutants or entified within the Analysis Area. Additionally, this unnamed ephemeral drainage le support functions, nutrients, or organic carbon to species within the TNW. This more than a speculative or insubstantial effect on the physical, chemical, and/or e TNW. Therefore, this unnamed ephemeral drainage does not possess a significant ch of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus find or indirectly into TNW.   | ings for non-RPW and its adjacent wetlands, where the non-RPW flows directly Explain:  |
| 3. Significant nexus find Explain:  | lings for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| ☐ TNWs:   | Linear Feet Width (ft), Or, Acres to TNWs: Acres   |
| Wetlands adjacent t<br>Reserved for Section III I   | ) 2 (RPWs):  |
| Reserved for Section III I  |  |
| Reserved for Section III I  3. Non-RPWs that flow o  Non-TNW/non-RPW with a TNW, and is the   | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.   |
| Reserved for Section III I  3. Non-RPWs that flow o  Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):   | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet): Acres:   |
| Reserved for Section III I  3. Non-RPWs that flow of the section III II  Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III   | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):   |
| Reserved for Section III I  3. Non-RPWs that flow of the section III III III III III III III III III I  | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| Reserved for Section III I  3. Non-RPWs that flow of the Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III  Reserved for Section III  6. Wetlands adjacent to has a significant next | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet):  Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  o non-RPWs that flow directly or indirectly into TNWs.  o non-RPWs which, in combination with the tributary and other adjacent wetlands, but with the TNW.  |
| Reserved for Section III I  3. Non-RPWs that flow of the Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III  Reserved for Section III  6. Wetlands adjacent to has a significant next | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus herfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  o non-RPWs that flow directly or indirectly into TNWs.  o non-RPWs which, in combination with the tributary and other adjacent wetlands, bus with the TNW.  risdictional wetland (in acres):   |
| Reserved for Section III I  3. Non-RPWs that flow of the section III III III III III III III III III I  | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  o non-RPWs that flow directly or indirectly into TNWs.  o non-RPWs which, in combination with the tributary and other adjacent wetlands, sus with the TNW.  risdictional wetland (in acres):  risdictional waters.   |

### F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 15A   |                      |                 |              |                           |               |
|---|----------------------|-----------------|--------------|---------------------------|---------------|
| As described in Section 3C1 possess a significant nexus | •                    | •               | meral draina | ge determined that it did | d not         |
| Explain finding of Other:                               |                      |                 |              |                           |               |
| ✓ Non-wetland waters                                    | 8819.04 lin          | near feet (ft), | 5.26         | width (ft)                |               |
| ☐ Other waters  | ac                   | res             |              |                           |               |
| ☐ Wetlands  | ac                   | res             |              |                           |               |
| SECTION IV: DATA SOURCES                                |                      |                 |              |                           |               |
| ✓ Maps, Plans, Plots or Pla                             | at Submitted by      | Applicant/Con   | sultant: Wo  | estLand Resources, Inc.   |               |
| ✓ Data Sheets Prepared/S                                | •                    | • •             |              | ,                         |               |
| ☐ Office Concurs with (                                 | delineation          |                 |              |                           |               |
| ☐ Office Does Not Con-                                  | cur with delineation | on              |              |                           |               |
| ☐ Data Sheets Prepared by                               | y the Corps          |                 |              |                           |               |
| ☐ Corps Navigable Water :                               |                      |                 |              |                           |               |
| ☐ US Geological Survey Hy                               | drologic Atlas       |                 |              |                           |               |
| USGS NHD Data   |                      |                 |              |                           |               |
| ☐ USGS 8 and 12 digit                                   | HUC Map              |                 |              |                           |               |
| _   |                      | N               |              |                           |               |
| ✓ US Geological Survey M                                |                      |                 | Dasa Marrat  | raina NIM/ 7 F Minuta Ou  | a dua na la a |
| Silver Reel Mountai                                     | ns se, North Kome    | elik, and Santa | Rosa Mount   | tains NW 7.5-Minute Qu    | adrangles     |
| USDA Nat'l Res Conserva                                 | ation Service Soil S | Survey Citat    | ion:         |                           |               |
| $\square$ National Wetlands Inver                       | ntory Maps Cit       | e Map Name:     |              |                           |               |
| State/Local Wetland Inv                                 | entory Maps          |                 |              |                           |               |
| ☐ FEMA/FIR Maps   |                      |                 |              |                           |               |
| $\square$ 100-year Floodplain Elev                      | vation is:           |                 | (National    | Geodetic Vertical Datum   | າ of 1929)    |
| Aerial Photographs (N                                   | •                    | •               |              | th 2008                   |               |
| Other Photographs (N                                    | ame and Date):       | Ground Photos   | s; May 2012  |                           |               |
| $\square$ Previous Determination                        | s File No. and Da    | ate of Respons  | se Letter:   |                           |               |
| Applicable/Supporting C                                 | Case Law Citation    | n:              |              |                           |               |
| Applicable/Supporting S                                 | cientific Literature | e Citation:     |              |                           |               |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION  |                          |
|--|--------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                          |
| B. District Office and File No: Los Angeles District, File No. Pending   |                          |
| C. Project Location and Background Information: Drainage Feature 15A1  |                          |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Countie  | s, Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                          |
| Name of nearest waterbody: Unnamed Wash 15A1   |                          |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dan  | า                        |
| HUC Code: 15050306   |                          |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                          |
| D. Review Performed for Site Evaluation:   |                          |
| Office Determination. Date:  |                          |
| Field Determination. Date: 05/2012   |                          |
| SECTION II: SUMMARY OF FINDINGS  |                          |
| A. RHA Section 10 Determination of Jurisdiction  |                          |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.  |                          |
| B. CWA Section 404 Determination of Jurisdiction  There Are No "waters of the U.S." within CWA jurisdiction in the review area.  1. Waters of the US:  |                          |
| Linear Feet Width (ft) and/or Acres  |                          |
| Limits of Jurisdiction based on:   |                          |
| 2. Non-Regulated Waters/Wetlands:  ✓ Potentially jurisdictional waters and/or wetlands were assessed and determined n  | ot to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drain considered jurisdictional if it possessed a significant nexus with a downstream TNV not possess a significant nexus with the downstream TNW. |                          |
| SECTION III: CWA ANALYSIS  |                          |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                          |
| 1. Identified TNW:   |                          |
| Rationale for TNW determination:   |                          |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                          |
|  |                          |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4                        |
| Drainage Area (sq mi): 0.00033 River Miles from tributary to TNW   |                          |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW  |                          |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW Aerial Miles from tributary to RPW  |                          |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                          |

Feature ID: 15A1

| Unnamed drainages s<br>suggests the most lik<br>River.                       |                                      | •   |                    |              | sa Wash. Topography<br>z Wash to the Gila |
|--|--------------------------------------|---|--------------------|--------------|---|
| Tributary is: Natural  | Explai                               | in:   |                    |              |   |
| Average Width (ft):  | 5.43                                 |   |                    |              |   |
| Average Depth (ft):  | 1                                    |   |                    |              |   |
| Average Deptil (11).   |                                      |   |                    |              |   |
| Average Side Slopes:<br>Primary tributary sub                                | 2:1<br>strate compos                 | •   |                    |              |   |
| Average Side Slopes:  Primary tributary sub  ✓ Silts ☐ Sands                 | 2:1 strate compos                    | <u> </u>  |                    | ☐ Vegetation |   |
| Average Side Slopes:  Primary tributary sub  ✓ Silts ☐ Sands  ☐ Concrete ☐ N | 2:1 strate compos  Cobble  Muck Othe | es Bedro  |                    | ☐ Vegetation |   |
| Average Side Slopes:  Primary tributary sub  Silts                           | 2:1 strate compos  Cobble  Auck Othe | es Bedro er, Explain: in: Stable                |                    | ☐ Vegetation |   |
| Average Side Slopes:  Primary tributary sub  ✓ Silts ☐ Sands                 | 2:1 strate compos  Cobble  Auck Othe | es Bedro er, Explain: in: Stable exes. Explain: | ck <b>⊻</b> Gravel | ☐ Vegetation |   |

| (c) Flow:                  |                       |             |                   |             |                  |  |
|----------------------------|-----------------------|-------------|-------------------|-------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average F   | low Events per    | year:       | 2-5              |  |
| Describe Flow Regime:      | Ephemeral             | Other Info  | rmation on Du     | ration and  | d Volume:        |  |
| Surface Flow is:           | Confined              | Characteri  | istics:           |             |                  |  |
| Subsurface Flow:           | No                    | Explain:    |                   |             |                  |  |
| Tributary Has:             |                       |             |                   |             |                  |  |
|                            |                       |             |                   |             |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:             |             |                   |             |                  |  |
|                            | impressed on the bank | □Ve         | egetation matte   | ed down, l  | bent or absent   |  |
| ✓ Changes in soil cha      | nracter               | ☐ Le        | af litter disturk | oed or was  | shed away        |  |
| ☐ Shelving                 |                       | ☐ Pr        | esence of litte   | r and debr  | is               |  |
| ☐ Sediment deposition      | on                    | <b>✓</b> De | estruction of te  | rrestrial v | egetation        |  |
| Sediment sorting           |                       | □ Ab        | orupt change ir   | n plant con | nmunity          |  |
| ☐ Scour                    |                       | $\square$ M | ultiple observe   | ed or predi | cted flow events |  |
| ☐ Presence of wrack        | line                  | $\square$ W | ater staining     |             |                  |  |
| Other (list):              |                       |             |                   |             |                  |  |
| ☐ Discontinuous? Ex        | kplain:               |             |                   |             |                  |  |
| (iii) Chemical Characteris | tice                  |             |                   |             |                  |  |
|                            |                       |             |                   |             |                  |  |
| Characterize Tributa       |                       |             |                   |             |                  |  |
| Identify Specific Poll     | utants, if known:     |             |                   |             |                  |  |
|                            |                       |             |                   |             |                  |  |
|                            |                       |             |                   |             |                  |  |
|                            |                       |             |                   |             |                  |  |
|                            |                       |             |                   |             |                  |  |

| Feature ID: 15A1                  |   |  |  |  |  |  |
|-----------------------------------|---|--|--|--|--|--|
| (iv) Biological Characteristic    | cs. Channel supports (check all that apply):  |  |  |  |  |  |
| Riparian Corridor C               | naracteristics:   |  |  |  |  |  |
| ☐ Wetland Fringe Cha              | racteristics:   |  |  |  |  |  |
| Habitat for:                      |   |  |  |  |  |  |
| ☐ Federally Listed Spec           | cies Explain:   |  |  |  |  |  |
| ☐ Fish/Spawn Areas                | Explain:  |  |  |  |  |  |
| Other environmenta                |   |  |  |  |  |  |
| ☐ Aquatic/Wildlife dive           | ersity Explain:   |  |  |  |  |  |
| 2. Characteristics of wetlar      | nds adjacent to non-TNW that flow directly or indirectly into TNW                               |  |  |  |  |  |
| (i) Physical Characteristics:     |   |  |  |  |  |  |
| Wetland Size (ac):                | Wetland Type, Explain:  |  |  |  |  |  |
| Wetland Quality, Expla            | in:   |  |  |  |  |  |
|                                   | or Serve as State Boundaries, Explain:  |  |  |  |  |  |
| Wetland Flow is:                  | Explain:  |  |  |  |  |  |
| Surface Flow is:                  | Characteristics:  |  |  |  |  |  |
| Subsurface Flow:                  | Explain Findings:   |  |  |  |  |  |
| ☐ Wetland Directly Ab             | utting Non-TNW  |  |  |  |  |  |
| ☐ Wetland Not Directly            | y Abutting Non-TNW  |  |  |  |  |  |
| ☐ Discrete wetland                | hydrologic connection Explain:  |  |  |  |  |  |
| Ecologcal connect                 |   |  |  |  |  |  |
| ☐ Separated by berr               |   |  |  |  |  |  |
| Project Wetlands: River           |   |  |  |  |  |  |
| Project Wetlands: Aeria           | al Miles from TNW:  |  |  |  |  |  |
| Flow is From:                     | of Watland within Floodalain.   |  |  |  |  |  |
|                                   | of Wetland within Floodplain:   |  |  |  |  |  |
| (ii) Chemical Characteristics     | <b>5:</b>   |  |  |  |  |  |
| Characterize Wetland S            | ystem:  |  |  |  |  |  |
| (iii) Biological Characteristic   | cs. Wetland supports (check all that apply):  |  |  |  |  |  |
| ☐ Riparian Buffer Ex              | plain:  |  |  |  |  |  |
| ☐ Vegetation type/pe              | ercent cover. Explain:  |  |  |  |  |  |
| Habitat for:                      |   |  |  |  |  |  |
| ☐ Federally Listed S <sub>I</sub> | pecies Explain:   |  |  |  |  |  |
| ☐ Fish/Spawn Areas                |   |  |  |  |  |  |
|                                   | Other environmentally-sensitive species Explain:  |  |  |  |  |  |
| ☐ Aquatic/Wildlife □              | Diversity Explain:  |  |  |  |  |  |
| 3. Characteristics of all we      | tlands adjacent to the non-TNW tributary (if any)   |  |  |  |  |  |
| All wetland(s) consider           | ed in cumulative analysis:  |  |  |  |  |  |
| Wetland acres in total I          | being considered in cumulative analysis:  |  |  |  |  |  |
| Describe each wetland             | (directly abuts tributary?; size in acres; overall biological, chemical or physical functions): |  |  |  |  |  |
|                                   |   |  |  |  |  |  |
|                                   |   |  |  |  |  |  |

| SIGNIFICANT NEXUS DETERMINA   | TION   |
|---|--|
| 1. Significant nexus findings for n into TNW. Explain:  | on-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gilles, discharges, in combination with the downstream manmade impounded possibility of a hydrologic connect critical habitats were identified with does not provide lifecycle support drainage does not have more than biological integrity of the TNW. The | e is located more than 100 river miles from the nearest TNW, the Gila River bie Dam. An analysis of peak yearly discharges and potential flood be geomorphology of the Analysis Area, the presence of a significant ment (Tat Momolikot Dam), and the distance to the TNW, suggests that the ion between this drainage and the TNW is tenuous. No pollutants or thin the Analysis Area. Additionally, this unnamed ephemeral drainage functions, nutrients, or organic carbon to species within the TNW. This is a speculative or insubstantial effect on the physical, chemical, and/or terefore, this unnamed ephemeral drainage does not possess a significant Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for n or indirectly into TNW. Explain:  | on-RPW and its adjacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for w Explain:  | retlands adjacent to an RPW but that do not directly abut the RPW.   |
| ☐ TNWs: Linear ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs   | Acres  |
| 3. Non-RPWs that flow directly o  |  |
| ·   | y that flows directly or indirectly into a TNW and has a signficant nexus  |
| Reserved for Section III D 4 (Wet   |  |
| ·   | ands adjacent to but not directly abutting RPWs):  |
| ·   | Vs that flow directly or indirectly into TNWs.   |
| <ul> <li>Wetland adjacent to non-RPV<br/>has a significant nexus with the<br/>Estimated size of jurisdictional</li> </ul>   |  |
| 7. Impoundments of jurisdiction   |  |
| Demonstration of Jurisdiction   | :  |
| E. ISOLATED WATERS, INCLUDING IS  | SOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   |
| WHICH COULD AFFECT INTERSTATE   |  |
| Supporting rationale: Length (linear feet):   | Acres:   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 15A1                                      |                    |   |  |
|---|--------------------|---|--|
| As described in Section 30 possess a significant nexu | ·                  | alysis of this ephemeral drainage determined that it did not est TNW. |  |
| Explain finding of Other:                             |                    |   |  |
| ✓ Non-wetland waters                                  | 1685.70            | linear feet (ft), 5.43 width (ft)                                     |  |
| ☐ Other waters  |                    | acres   |  |
| ☐ Wetlands  |                    | acres   |  |
| SECTION IV: DATA SOURCES                              |                    |   |  |
| ✓ Maps, Plans, Plots or I                             | Plat Submitted by  | y Applicant/Consultant: WestLand Resources, Inc.                      |  |
| Data Sheets Prepared,                                 |                    | ehalf of Applicant  |  |
| Office Concurs wit                                    |                    |   |  |
| ☐ Office Does Not Co                                  |                    | eation  |  |
| ☐ Data Sheets Prepared                                |                    |   |  |
| ☐ Corps Navigable Wate                                | •                  |   |  |
| US Geological Survey □ USGS NHD Data                  | Hydrologic Atlas   |   |  |
|   | it IIIIC Man       |   |  |
| USGS 8 and 12 dig                                     |                    |   |  |
| ✓ US Geological Survey                                | •                  |   |  |
| Silver Reef Mount                                     | ains SE, North Ko  | omelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles            |  |
| ☐ USDA Nat'l Res Conse                                | rvation Service So | Soil Survey Citation:   |  |
| National Wetlands Inv                                 | entory Maps (      | Cite Map Name:  |  |
| State/Local Wetland I                                 | nventory Maps      |   |  |
| ☐ FEMA/FIR Maps                                       |                    |   |  |
| ☐ 100-year Floodplain E                               |                    | (National Geodetic Vertical Datum of 1929)                            |  |
|   |                    | ): BING, Microsoft Virtual Earth 2008                                 |  |
|   | •                  | d Data of Bassanss Letter:  |  |
| ☐ Applicable/Supporting                               |                    | d Date of Response Letter:  |  |
| ☐ Applicable/Supporting                               | •                  |   |  |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>   |                                     |                            |             |                       |
|---|-----------------|-------------------------------------|----------------------------|-------------|-----------------------|
| A. Report Completion Date for App   | oroved Jurisdic | ctional Determination               | : 07/30/20                 | )12         |                       |
| B. District Office and File No: Los   | Angeles Distri  | ct, File No. Pending                |                            |             |                       |
| C. Project Location and Background  | d Information   | : Drainage Feature                  | 15A2                       |             |                       |
| City, County, State Sif Oidak Dis   | strict, Tohono  | O'odham Nation, Pim                 | a and Pinal (              | Counties, A | rizona                |
| Center coordinates of site: Lat.  | 32.5073         | Long111.91                          | 00                         |             |                       |
| Name of nearest waterbody: Un   | named Wash      | 15A2                                |                            |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River   | between Powers But                  | te and Gilles <sub>l</sub> | oie Dam     |                       |
| ✓ Map/Diagram of potential juris  | dictional area  | is available on reques              | t                          |             |                       |
| D. Review Performed for Site Evalu  | ation:          |                                     |                            |             |                       |
| Office Determination. Date:   |                 |                                     |                            |             |                       |
| Field Determination. Date: 05/2   | 2012            |                                     |                            |             |                       |
| SECTION II: SUMMARY OF FINDING  | GS              |                                     |                            |             |                       |
| A. RHA Section 10 Determination   |                 | า                                   |                            |             |                       |
| There Are No "navigable waters  |                 |                                     | n in the revie             | w area.     |                       |
| B. CWA Section 404 Determination  | n of Jurisdicti | on                                  |                            |             |                       |
| There Are No "waters of the   | ne U.S." withir | n CWA jurisdiction in t             | he review ar               | ea.         |                       |
| 1. Waters of the US:  |                 |                                     |                            |             |                       |
| Linear Feet   |                 | Width (ft) and/or                   |                            | Acres       |                       |
| Limits of Jurisdiction based on:  |                 |                                     |                            |             |                       |
| 2. Non-Regulated Waters/Wet   | lands:          |                                     |                            |             |                       |
| ✓ Potentially jurisdictional was  |                 | vetlands were assesse               | d and detern               | nined not t | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a  | significant nexus witl              |                            | -           |                       |
| SECTION III: CWA ANALYSIS   |                 |                                     |                            |             |                       |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs     |                                     |                            |             |                       |
| 1. Identified TNW:  |                 |                                     |                            |             |                       |
| Rationale for TNW determinat  | ion:            |                                     |                            |             |                       |
| 2. Rationale for conclusion tha   | it any wetland  | ls present are "adjace              | nt":                       |             |                       |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY     | AND ITS ADJACENT W                  | /ETLANDS                   |             |                       |
| TNW Watershed Size (sq mi):   | 49650           | Tributaries flo                     |                            |             | 4                     |
| Drainage Area (sq mi):  | 0.00006<br>8.5  | River Miles fro                     | •                          |             | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 0               | River Miles fro<br>Aerial Miles fro | •                          |             | 30 (or more)          |
| , werage / amaar snowram (m).   | ~               | Aerial Miles fro                    | •                          |             | (3. 111010)           |
| ☐ Project waters cross or serv  | ve as state boo | undaries. Explain:                  | •                          |             |                       |

Feature ID: 15A2

| Tributary is: Natural Explain:  Average Width (ft): 5.13  Average Depth (ft): 1  Average Side Slopes: 2:1  Primary tributary substrate composition (check all that apply):  ✓ Silts Sands Cobbles Bedrock ✓ Gravel Vegetation  Concrete Muck Other, Explain:  Tributary Condition/Stability. Explain: Stable  Presence of Run/Riffle/Pool Complexes. Explain: Not Present  Tributary Geometry: Relatively Straight  Tributary Gradient (approximate average slope): 2% | Unnamed drainages v<br>suggests the most like<br>River.  |  | •                                |                                     | •        | •      |       |         |  |  |
|--|--|--|----------------------------------|-------------------------------------|----------|--------|-------|---------|--|--|
| Average Depth (ft): 1 Average Side Slopes: 2:1  Primary tributary substrate composition (check all that apply):  Silts Sands Cobbles Bedrock Gravel Vegetation  Concrete Muck Other, Explain:  Tributary Condition/Stability. Explain: Stable  Presence of Run/Riffle/Pool Complexes. Explain: Not Present  Tributary Geometry: Relatively Straight  | Tributary is: Natural  |  | Explain:                         |                                     |          |        |       |         |  |  |
| Average Depth (ft): 1 Average Side Slopes: 2:1  Primary tributary substrate composition (check all that apply):  Silts Sands Cobbles Bedrock Gravel Vegetation  Concrete Muck Other, Explain:  Tributary Condition/Stability. Explain: Stable  Presence of Run/Riffle/Pool Complexes. Explain: Not Present  Tributary Geometry: Relatively Straight  | •  |  | -                                |                                     |          |        |       |         |  |  |
| Primary tributary substrate composition (check all that apply):  ✓ Silts Sands Cobbles Bedrock ✓ Gravel Vegetation  Concrete Muck Other, Explain:  Tributary Condition/Stability. Explain: Stable  Presence of Run/Riffle/Pool Complexes. Explain: Not Present  Tributary Geometry: Relatively Straight  |  | 1  |                                  |                                     |          |        |       |         |  |  |
| Primary tributary substrate composition (check all that apply):  ✓ Silts Sands Cobbles Bedrock ✓ Gravel Vegetation  Concrete Muck Other, Explain:  Tributary Condition/Stability. Explain: Stable  Presence of Run/Riffle/Pool Complexes. Explain: Not Present  Tributary Geometry: Relatively Straight  | Average Cide Clares  | 2.1  |                                  |                                     |          |        |       |         |  |  |
| Presence of Run/Riffle/Pool Complexes. Explain: Not Present  Tributary Geometry: Relatively Straight   | Primary tributary sub  | strate co  | •                                | ·                                   |          |        | ☐ Veg | etation |  |  |
| Tributary Geometry: Relatively Straight  | Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  | strate co  | Other, I                         | ☐ Bedro                             |          |        | ☐ Veg | etation |  |  |
|  | Primary tributary sub  ✓ Silts □ Sands □ Concrete □ N  Tributary Condition/S   | strate co  | Other, Explain:                  | ☐ Bedro Explain:  Stable            | ock 🗹 Gr | avel [ | □ Veg | etation |  |  |
| Tributary drauterit (approximate average stope). $ 270$  | Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Tributary Condition/S  Presence of Run/Riffl                      | Strate concepts  Auck Stability. e/Pool C  | Other, Explain:                  | Bedro Explain:  Stable es. Explain: | ock 🗹 Gr | avel [ | Veg   | etation |  |  |
| ,  | Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Tributary Condition/S  Presence of Run/Riffl  Tributary Geometry: | Strate confidence of the confi | Other, I<br>Explain:<br>Complexe | Bedro Explain:  Stable es. Explain: | ock 🗹 Gr | avel [ | □ Veg | etation |  |  |

| (c) Flow:                  |                       |                  |             |             |            |                   |
|----------------------------|-----------------------|------------------|-------------|-------------|------------|-------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Eve    | nts per y   | ear:       | 2-5               |
| Describe Flow Regime:      | Ephemeral             | Other Inf        | ormation    | n on Dura   | ation and  | d Volume:         |
| Surface Flow is:           | Confined              | Characte         | ristics:    |             |            |                   |
| Subsurface Flow:           | No                    | Explain:         |             |             |            |                   |
| Tributary Has:             |                       |                  |             |             |            |                   |
| ☐ Bed and Banks            |                       |                  |             |             |            |                   |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |             |             |            |                   |
| ☐ Clear, natural line      | impressed on the bank | $\square$ $\vee$ | egetatio    | n matte     | d down,    | bent or absent    |
| Changes in soil cha        |                       |                  | eaf litter  | disturbe    | d or wa    | shed away         |
| ☐ Shelving                 |                       | □ P              | resence     | of litter a | and debi   | ris               |
| ☐ Sediment deposition      | on                    |                  | estructio   | on of teri  | restrial v | egetation         |
| Sediment sorting           |                       |                  | brupt ch    | ange in p   | olant cor  | nmunity           |
| ☐ Scour                    |                       |                  | /lultiple o | bserved     | or pred    | icted flow events |
| ☐ Presence of wrack        | line                  | □ <b>v</b>       | Vater sta   | ining       |            |                   |
| Other (list):              |                       |                  |             |             |            |                   |
| ☐ Discontinuous? Ex        | xplain:               |                  |             |             |            |                   |
| (iii) Chemical Characteris | stics:                |                  |             |             |            |                   |
| Characterize Tributa       | ry:                   |                  |             |             |            |                   |
| Identify Specific Poll     | utants, if known:     |                  |             |             |            |                   |
| , ,                        | ,                     |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |

| Tological Characteristics                                   | s. Channel supports (check all that apply):                      |
|---|--|
| Riparian Corridor Cha                                       |  |
| ☐ Wetland Fringe Chara                                      | acteristics:   |
| Habitat for:  |  |
| ☐ Federally Listed Specie                                   | ·  |
| Fish/Spawn Areas  | Explain:   |
| Other environmentall  |  |
| Aquatic/Wildlife diver                                      | sity Explain:  |
| . Characteristics of wetland                                | ds adjacent to non-TNW that flow directly or indirectly into TNW |
| ) Physical Characteristics:                                 |  |
| Wetland Size (ac):  | Wetland Type, Explain:   |
| Wetland Quality, Explain                                    | 1:   |
| •   | or Serve as State Boundaries, Explain:                           |
| Wetland Flow is:  | Explain:   |
| Surface Flow is:  | Characteristics:   |
| Subsurface Flow:  | Explain Findings:  |
| $\square$ Wetland Directly Abut                             | tting Non-TNW  |
| $\square$ Wetland Not Directly                              | Abutting Non-TNW   |
| ☐ Discrete wetland h  | ydrologic connection Explain:                                    |
| Ecological connection                                       | on Explain:  |
| $\square$ Separated by berm                                 | /barrier Explain:  |
| Project Wetlands: River                                     |  |
| Project Wetlands: Aerial                                    | Miles from TNW:  |
| Flow is From:   |  |
| Approximate Location of                                     | f Wetland within Floodplain:                                     |
| i) Chemical Characteristics:                                |  |
| Characterize Wetland Sy                                     | stem:  |
| ii) Biological Characteristics                              | s. Wetland supports (check all that apply):                      |
| Riparian Buffer Exp   | lain:  |
| ☐ Vegetation type/per                                       |  |
| Habitat for:  |  |
| ☐ Federally Listed Spe                                      | ecies Explain:   |
| ☐ Fish/Spawn Areas  | Explain:   |
| $\square$ Other environment                                 | tally-sensitive species Explain:                                 |
| ☐ Aquatic/Wildlife Di                                       | versity Explain:   |
|   | ands adjacent to the non-TNW tributary (if any)                  |
| •   | ands adjacent to the non-riviv tributary (ii arry)               |
| . Characteristics of all wetl                               |  |
| . Characteristics of all wetle<br>All wetland(s) considered |  |

| . SIGNIFICANT NEXU   | JS DETERMINATION   |
|--|--|
| 1. Significant nexuinto TNW. Explain   | s findings for non-RPW that has no adjacent wetlands and flows directly or indirectly a:   |
| between Powers B<br>discharges, in com<br>downstream mann<br>possibility of a hyd<br>critical habitats we<br>does not provide li<br>drainage does not<br>biological integrity  | emeral drainage is located more than 100 river miles from the nearest TNW, the Gila River outte and Gillespie Dam. An analysis of peak yearly discharges and potential flood bination with the geomorphology of the Analysis Area, the presence of a significant made impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the rologic connection between this drainage and the TNW is tenuous. No pollutants or the identified within the Analysis Area. Additionally, this unnamed ephemeral drainage if fecycle support functions, nutrients, or organic carbon to species within the TNW. This have more than a speculative or insubstantial effect on the physical, chemical, and/or of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant W reach of the Gila River between Powers Butte and Gillespie Dam.   |
| 2. Significant nexu<br>or indirectly into 1  | is findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly INW. Explain:  |
| 3. Significant nexu<br>Explain:  | is findings for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| 1. TNWs and Adjac  | S OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE cent Wetlands  |
| 1. TNWs and Adjac  | Linear Feet Width (ft), Or, Acres  |
| 1. TNWs and Adjace  TNWs:  Wetlands adjace Reserved for Section  | cent Wetlands  Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres   |
| 1. TNWs and Adjace  TNWs:  Wetlands adjace Reserved for Section 3. Non-RPWs that  Non-TNW/non with a TNW, are  | Linear Feet Width (ft), Or, Acres  Incent to TNWs: Acres  On III D 2 (RPWs):  If low directly or indirectly into TNWs.  RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  |
| 1. TNWs and Adjace  TNWs:  Wetlands adjace Reserved for Section 3. Non-RPWs that  Non-TNW/non with a TNW, are Length (Linear   | Linear Feet Width (ft), Or, Acres  Incent to TNWs: Acres  On III D 2 (RPWs):  If I waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet): Width (feet): Acres:  |
| 1. TNWs and Adjace TNWs: Wetlands adjace Reserved for Section 3. Non-RPWs that Non-TNW/non with a TNW, are Length (Linear Reserved for Section   | Linear Feet Width (ft), Or, Acres  Icent to TNWs: Acres  In a continuous Acres  In a contin |
| 1. TNWs and Adjace TNWs: Wetlands adjace Reserved for Section 3. Non-RPWs that Non-TNW/non with a TNW, are Length (Linear Reserved for Section Reserved for  | Linear Feet Width (ft), Or, Acres  Secont to TNWs: Acres  On III D 2 (RPWs):  If Iow directly or indirectly into TNWs.  RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet): Width (feet): Acres:  Ion III D 4 (Wetlands directly abutting RPWs):  Ion III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| 1. TNWs and Adjace TNWs: Wetlands adjace Reserved for Section 3. Non-RPWs that Non-TNW/non with a TNW, are Length (Linear Reserved for Section Reserved for Reserved for Section Reserved for Section Reserved for Reserved f | Linear Feet Width (ft), Or, Acres  Icent to TNWs: Acres  In a continuous Acres  In a contin |
| 1. TNWs and Adjace TNWs: Wetlands adjace Reserved for Section 3. Non-RPWs that Non-TNW/non with a TNW, are Length (Linear Reserved for Section Reserved for Section Reserved for Section Wetlands adjace has a significant Estimated size  | Linear Feet Width (ft), Or, Acres  Secont to TNWs: Acres  On III D 2 (RPWs):  If low directly or indirectly into TNWs.  RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus and is therfore jurisdictional.  Feet): Width (feet): Acres:  Ion III D 4 (Wetlands directly abutting RPWs):  Ion III D 5 (Wetlands adjacent to but not directly abutting RPWs):  Ioent to non-RPWs that flow directly or indirectly into TNWs.  Ivent to non-RPWs which, in combination with the tributary and other adjacent wetlands, and nexus with the TNW.  |
| 1. TNWs and Adjace TNWs: Wetlands adjace Reserved for Section 3. Non-RPWs that Non-TNW/non with a TNW, are Length (Linear Reserved for Section Reserved for  | Linear Feet Width (ft), Or, Acres  Ident to TNWs: Acres  In an III D 2 (RPWs):  If low directly or indirectly into TNWs.  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres: Acres: Acres  Acres: |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW.  Explain finding of Other:  Non-wetland waters 320.13 linear feet (ft), 5.13 width (ft) driver waters acres Wetlands acres  Metlands acres  SECTION IV: DATA SOURCES  Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  Data Sheets Prepared/Submitted on behalf of Applicant Office Concurs with delineation Office Does Not Concur with delineation Data Sheets Prepared by the Corps Corps Navigable Water Study US Geological Survey Hydrologic Atlas USGS NHD Data USGS 8 and 12 digit HUC Map  US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  USDA Nat'l Res Conservation Service Soil Survey Citation: National Wetlands Inventory Maps FEMA/FIR Maps  UO-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 Other Photographs (Name and Date): Ground Photos; May 2012 Previous Determinations File No. and Date of Response Letter:  | Feature ID: 15A2                   |                                  |   |   |
|--|------------------------------------|----------------------------------|---|---|
| Explain finding of Other:    Non-wetland waters   320.13   linear feet (ft),   5.13 width (ft)     Other waters   acres     Wetlands   acres     Wetlands   acres     Maps, Plans, Plots or Plat Submitted by   Applicant/Consultant:   WestLand Resources, Inc.     Data Sheets Prepared/Submitted on behalf of Applicant     Office Concurs with delineation     Office Does Not Concur with delineation     Data Sheets Prepared by the Corps     Corps Navigable Water Study     US Geological Survey Hydrologic Atlas     USGS NHD Data     USGS 8 and 12 digit HUC Map     US Geological Survey Map(s)   Scale and Quad Name:     Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles     USDA Nat'l Res Conservation Service Soil Survey   Citation:     National Wetlands Inventory Maps   Cite Map Name:     State/Local Wetland Inventory Maps     FEMA/FIR   Maps   |                                    |                                  | neral drainage determined that it did not |   |
| ✓ Non-wetland waters       320.13 linear feet (ft),       5.13 width (ft)         ○ Other waters       acres         ○ Wetlands       acres         SECTION IV: DATA SOURCES       Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.         ✓ Data Sheets Prepared/Submitted on behalf of Applicant       Office Concurs with delineation         ○ Office Does Not Concur with delineation       Data Sheets Prepared by the Corps         ○ Corps Navigable Water Study       US Geological Survey Hydrologic Atlas         □ USGS NHD Data       USGS 8 and 12 digit HUC Map         ✓ US Geological Survey Map(s)       Scale and Quad Name:         Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles         □ USDA Nat'l Res Conservation Service Soil Survey       Citation:         National Wetlands Inventory Maps       Cite Map Name:         State/Local Wetland Inventory Maps       FEMA/FIR       Maps         □ 100-year Floodplain Elevation is:       (National Geodetic Vertical Datum of 1929)         ✓ Aerial Photographs       (Name and Date):       BING, Microsoft Virtual Earth 2008         ✓ Other Photographs       (Name and Date):       Ground Photos; May 2012   |                                    | with the nearest INW.            |   |   |
| Other waters  Wetlands  acres  WestLand Resources, Inc.  Inc.  WestLand Resources, Inc.  Inc.  WestLand Resources, Inc.  Inc.  Inc.  WestLand Resources, Inc.  WestLand Resources, | Explain finding of Other:          |                                  |   |   |
| Wetlands   | ✓ Non-wetland waters               | 320.13 linear feet (ft),         | 5.13 width (ft)                           |   |
| ECTION IV: DATA SOURCES  ✓ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant  ○ Office Concurs with delineation ○ Office Does Not Concur with delineation ○ Data Sheets Prepared by the Corps ○ Corps Navigable Water Study ○ US Geological Survey Hydrologic Atlas ○ USGS NHD Data ○ USGS 8 and 12 digit HUC Map  ✓ US Geological Survey Map(s) Scale and Quad Name: ○ Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ○ USDA Nat'l Res Conservation Service Soil Survey Citation: ○ National Wetlands Inventory Maps Cite Map Name: ○ State/Local Wetland Inventory Maps ○ FEMA/FIR Maps ○ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) ✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ✓ Other Photographs (Name and Date): Ground Photos; May 2012   | ☐ Other waters                     | acres                            |   |   |
| Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  ✓ Data Sheets Prepared/Submitted on behalf of Applicant  ☐ Office Concurs with delineation  ☐ Office Does Not Concur with delineation  ☐ Data Sheets Prepared by the Corps  ☐ Corps Navigable Water Study  ☐ US Geological Survey Hydrologic Atlas  ☐ USGS NHD Data  ☐ USGS 8 and 12 digit HUC Map  ✓ US Geological Survey Map(s) Scale and Quad Name:  ☐ Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  ☐ USDA Nat'l Res Conservation Service Soil Survey Citation:  ☐ National Wetlands Inventory Maps Cite Map Name:  ☐ State/Local Wetland Inventory Maps  ☐ FEMA/FIR Maps  ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)  ✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008  ✓ Other Photographs (Name and Date): Ground Photos; May 2012   | ☐ Wetlands                         | acres                            |   |   |
| Data Sheets Prepared/Submitted on behalf of Applicant  ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ☐ US Geological Survey Map(s) Scale and Quad Name: ☐ Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is:   | ECTION IV: DATA SOURCES            |                                  |   |   |
| <ul> <li>Office Concurs with delineation</li> <li>Office Does Not Concur with delineation</li> <li>Data Sheets Prepared by the Corps</li> <li>Corps Navigable Water Study</li> <li>US Geological Survey Hydrologic Atlas</li> <li>USGS NHD Data</li> <li>USGS 8 and 12 digit HUC Map</li> <li>✓ US Geological Survey Map(s) Scale and Quad Name:         <ul> <li>Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> </ul> </li> <li>USDA Nat'l Res Conservation Service Soil Survey Citation:         <ul> <li>National Wetlands Inventory Maps</li> <li>State/Local Wetland Inventory Maps</li> <li>FEMA/FIR Maps</li> <li>100-year Floodplain Elevation is:</li> <li>(National Geodetic Vertical Datum of 1929)</li> </ul> </li> <li>Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008</li> <li>Other Photographs (Name and Date): Ground Photos; May 2012</li> </ul>  | ✓ Maps, Plans, Plots or Pla        | it Submitted by Applicant/Cons   | sultant: WestLand Resources, Inc.         |   |
| <ul> <li>□ Office Does Not Concur with delineation</li> <li>□ Data Sheets Prepared by the Corps</li> <li>□ Corps Navigable Water Study</li> <li>□ US Geological Survey Hydrologic Atlas</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit HUC Map</li> <li>☑ US Geological Survey Map(s) Scale and Quad Name:         <ul> <li>Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> </ul> </li> <li>□ USDA Nat'l Res Conservation Service Soil Survey Citation:         <ul> <li>National Wetlands Inventory Maps</li> <li>□ State/Local Wetland Inventory Maps</li> <li>□ FEMA/FIR Maps</li> <li>□ 100-year Floodplain Elevation is:</li> <li>□ (National Geodetic Vertical Datum of 1929)</li> </ul> </li> <li>✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008</li> <li>✓ Other Photographs (Name and Date): Ground Photos; May 2012</li> </ul>   | ✓ Data Sheets Prepared/Su          | ubmitted on behalf of Applicant  |   |   |
| <ul> <li>□ Data Sheets Prepared by the Corps</li> <li>□ Corps Navigable Water Study</li> <li>□ US Geological Survey Hydrologic Atlas</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit HUC Map</li> <li>☑ US Geological Survey Map(s) Scale and Quad Name:         <ul> <li>Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> </ul> </li> <li>□ USDA Nat'l Res Conservation Service Soil Survey Citation:         <ul> <li>National Wetlands Inventory Maps Cite Map Name:</li> <li>State/Local Wetland Inventory Maps</li> <li>□ FEMA/FIR Maps</li> <li>□ 100-year Floodplain Elevation is:</li> <li>□ (National Geodetic Vertical Datum of 1929)</li> </ul> </li> <li>✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008</li> <li>✓ Other Photographs (Name and Date): Ground Photos; May 2012</li> </ul>   | $\Box$ Office Concurs with ${f c}$ | delineation                      |   |   |
| <ul> <li>□ Corps Navigable Water Study</li> <li>□ US Geological Survey Hydrologic Atlas</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit HUC Map</li> <li>☑ US Geological Survey Map(s) Scale and Quad Name:         <ul> <li>Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> </ul> </li> <li>□ USDA Nat'l Res Conservation Service Soil Survey Citation:         <ul> <li>National Wetlands Inventory Maps</li> <li>□ State/Local Wetland Inventory Maps</li> <li>□ FEMA/FIR Maps</li> <li>□ 100-year Floodplain Elevation is:</li> <li>□ (National Geodetic Vertical Datum of 1929)</li> <li>☑ Aerial Photographs (Name and Date):</li> <li>☑ Ground Photos; May 2012</li> </ul> </li> </ul>   | ☐ Office Does Not Cond             | cur with delineation             |   |   |
| <ul> <li>US Geological Survey Hydrologic Atlas</li> <li>USGS NHD Data</li> <li>USGS 8 and 12 digit HUC Map</li> <li>✓ US Geological Survey Map(s) Scale and Quad Name:         Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> <li>USDA Nat'l Res Conservation Service Soil Survey Citation:         National Wetlands Inventory Maps Cite Map Name:         State/Local Wetland Inventory Maps         FEMA/FIR Maps</li></ul>   | ☐ Data Sheets Prepared by          | y the Corps                      |   |   |
| <ul> <li>USGS NHD Data</li> <li>USGS 8 and 12 digit HUC Map</li> <li>✓ US Geological Survey Map(s) Scale and Quad Name:         Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> <li>USDA Nat'l Res Conservation Service Soil Survey Citation:         National Wetlands Inventory Maps Cite Map Name:         State/Local Wetland Inventory Maps         FEMA/FIR Maps</li></ul>  | ☐ Corps Navigable Water S          | Study                            |   |   |
| USGS 8 and 12 digit HUC Map  US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  USDA Nat'l Res Conservation Service Soil Survey Citation: National Wetlands Inventory Maps Cite Map Name: State/Local Wetland Inventory Maps FEMA/FIR Maps 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)  Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008  Other Photographs (Name and Date): Ground Photos; May 2012   | $\square$ US Geological Survey Hy  | drologic Atlas                   |   |   |
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| Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  USDA Nat'l Res Conservation Service Soil Survey Citation:  National Wetlands Inventory Maps Cite Map Name:  State/Local Wetland Inventory Maps  FEMA/FIR Maps  100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)  Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008  Other Photographs (Name and Date): Ground Photos; May 2012   | $\Box$ USGS 8 and 12 digit         | HUC Map                          |   |   |
| USDA Nat'l Res Conservation Service Soil Survey Citation:  National Wetlands Inventory Maps Cite Map Name:  State/Local Wetland Inventory Maps  FEMA/FIR Maps  100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)  ✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008  ✓ Other Photographs (Name and Date): Ground Photos; May 2012  | ✓ US Geological Survey Ma          | ap(s) Scale and Quad Name:       |   |   |
| <ul> <li>National Wetlands Inventory Maps</li> <li>State/Local Wetland Inventory Maps</li> <li>FEMA/FIR Maps</li> <li>100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)</li> <li>✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008</li> <li>✓ Other Photographs (Name and Date): Ground Photos; May 2012</li> </ul>  | Silver Reef Mountain               | ns SE, North Komelik, and Santa  | Rosa Mountains NW 7.5-Minute Quadrangle   | S |
| <ul> <li>State/Local Wetland Inventory Maps</li> <li>FEMA/FIR Maps</li> <li>100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)</li> <li>✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008</li> <li>✓ Other Photographs (Name and Date): Ground Photos; May 2012</li> </ul>  | ☐ USDA Nat'l Res Conserva          | ation Service Soil Survey Citati | on:                                       |   |
| <ul> <li>□ FEMA/FIR Maps</li> <li>□ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)</li> <li>☑ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008</li> <li>☑ Other Photographs (Name and Date): Ground Photos; May 2012</li> </ul>  | $\square$ National Wetlands Inver  | ntory Maps Cite Map Name:        |   |   |
| <ul> <li>□ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)</li> <li>☑ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008</li> <li>☑ Other Photographs (Name and Date): Ground Photos; May 2012</li> </ul>   | ☐ State/Local Wetland Inv          | entory Maps                      |   |   |
| <ul> <li>✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008</li> <li>✓ Other Photographs (Name and Date): Ground Photos; May 2012</li> </ul>   | ☐ FEMA/FIR Maps                    |                                  |   |   |
| ✓ Other Photographs (Name and Date): Ground Photos; May 2012   |                                    |                                  | ·   | ) |
|  | = :                                |                                  |   |   |
| Previous Determinations File No. and Date of Response Letter:  | _                                  | •                                | . ,                                       |   |
|  | Previous Determinations            | File No. and Date of Respons     | e Letter:                                 |   |

☐ Applicable/Supporting Scientific Literature Citation:

| SECTION I: BACKG    | ROUND INFORM                          | <u>IATION</u>    |                           |   |                           |
|---------------------|---------------------------------------|------------------|---------------------------|---|---------------------------|
| A. Report Complet   | tion Date for App                     | roved Jurisdict  | tional Determination      | : 07/30/2012                              |                           |
|                     |                                       |                  | t, File No. Pending       |   |                           |
| C. Project Location | n and Background                      | d Information:   | Drainage Feature          | 15A3                                      |                           |
| City, County, State | e Sif Oidak Dis                       | strict, Tohono ( | O'odham Nation, Pim       | na and Pinal Counti                       | es, Arizona               |
| Center coordinate   | es of site: Lat.                      | 32.5073          | Long111.91                | 00  |                           |
| Name of nearest     | waterbody: Un                         | named Wash 1     | 5A3                       |   |                           |
| Name of nearest     | downstream TN\                        | V: Gila River    | between Powers But        | te and Gillespie Da                       | m                         |
| HUC Code: 150       | 50306                                 |                  |                           |   |                           |
| ✓ Map/Diagram       | of potential juris                    | dictional area i | s available on reques     | st  |                           |
| D. Review Perform   | ned for Site Evalu                    | ation:           |                           |   |                           |
| Office Determinat   | tion. Date:                           |                  |                           |   |                           |
| Field Determination | on. Date: 05/2                        | 2012             |                           |   |                           |
| SECTION II: SUMM    | AARV OF FINDING                       | 35               |                           |   |                           |
| A. RHA Section 1    |                                       |                  |                           |   |                           |
|                     |                                       |                  | rithin RHA jurisdiction   | n in the review area                      | а.                        |
| B. CWA Section 4    |                                       |                  |                           |   |                           |
| There Are No        |                                       |                  | <br>CWA jurisdiction in t | he review area.                           |                           |
| 1. Waters of th     | he US:                                |                  |                           |   |                           |
|                     | Linear Feet                           |                  | Width (ft) and/or         | Acres                                     |                           |
| Limits of Juriso    | diction based on:                     |                  |                           |   |                           |
| 2. Non-Regula       | ted Waters/Wet                        | ands:            |                           |   |                           |
| _                   |                                       |                  | etlands were assesse      | d and determined                          | not to be jurisdictional: |
| Drainage is         | s ephemeral and                       | does not quali   | ify as a TNW or RPW.      | Therefore, this dra                       | ainage could only be      |
|                     | •                                     | •                | •                         | h a downstream TN                         | NW. This drainage does    |
| not posses          | ss a significant ne                   | xus with the d   | ownstream TNW.            |   |                           |
| SECTION III: CWA    | <u>ANALYSIS</u>                       |                  |                           |   |                           |
| A. TNWs AND WE      | ETLANDS ADJACE                        | NT TO TNWs       |                           |   |                           |
| 1. Identified T     | NW:                                   |                  |                           |   |                           |
| Rationale for       | TNW determinat                        | ion:             |                           |   |                           |
| 2. Rationale fo     | or conclusion tha                     | t any wetlands   | s present are "adjace     | nt":                                      |                           |
| B. CHARACTERIST     | TICS OF NON-TN                        | W TRIBUTARY A    | AND ITS ADJACENT W        | /ETLANDS                                  |                           |
| TNW Watersh         | ed Size (sq mi):                      | 49650            | Tributaries flo           | w to TNW:                                 | 4                         |
| Drainage Area       |                                       | 0.00007          |                           | m tributary to TNV                        |                           |
| Average Annua       | · · · · · · · · · · · · · · · · · · · | 8.5              |                           | om tributary to RPV                       |                           |
| Average Annu        | al Snowfall (in):                     | 0                |                           | om tributary to TN<br>om tributary to RP' |                           |
| ☐ Project wa        | ters cross or serv                    | e as state bou   |                           |   |                           |

Feature ID: 15A3

| _   | •                                   | e ultimately tributary to the Santa Rosa Wash. Topography is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|---|-------------------------------------|---|
| Tributary is: Natural   | Explain:                            |   |
| Average Width (ft):   | 5.08                                |   |
| Average Depth (ft):   | 1                                   |   |
|   |                                     |   |
| Average Side Slopes:  Primary tributary sub  Silts  Sands         | estrate composition (check          |   |
| Primary tributary sub  Silts   Sands                              | estrate composition (check          |   |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N             | estrate composition (check  Cobbles |   |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/ | estrate composition (check  Cobbles | drock ☑ Gravel ☐ Vegetation   |
| Primary tributary sub  Silts                                      | estrate composition (checks         | drock ☑ Gravel ☐ Vegetation   |

| (c) Flow:                  |                       |            |              |              |          |                  |
|----------------------------|-----------------------|------------|--------------|--------------|----------|------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average F  | low Even     | its per yea  | ar:      | 2-5              |
| Describe Flow Regime:      | Ephemeral             | Other Info | ormation     | on Durati    | ion and  | d Volume:        |
| Surface Flow is:           | Confined              | Character  | ristics:     |              |          |                  |
| Subsurface Flow:           | No                    | Explain:   |              |              |          |                  |
| Tributary Has:             |                       |            |              |              |          |                  |
| ☐ Bed and Banks            |                       |            |              |              |          |                  |
| ✓ OHWM: OHWM Inc           | dicators:             |            |              |              |          |                  |
| ☐ Clear, natural line      | impressed on the bank | $\Box$ V   | egetation    | matted o     | down,    | bent or absent   |
| ✓ Changes in soil cha      | aracter               |            | eaf litter o | disturbed    | or was   | shed away        |
| ☐ Shelving                 |                       | □ P        | resence c    | of litter an | ıd debr  | is               |
| ☐ Sediment deposition      | on                    | <b>✓</b> D | estructio    | n of terre   | strial v | egetation        |
| ✓ Sediment sorting         |                       | $\Box$ A   | brupt cha    | nge in pla   | ant cor  | nmunity          |
| ☐ Scour                    |                       | □ N        | 1ultiple ol  | bserved o    | r predi  | cted flow events |
| ☐ Presence of wrack        | line                  | □ W        | Vater stai   | ning         |          |                  |
| Other (list):              |                       |            |              |              |          |                  |
| ☐ Discontinuous? Ex        | xplain:               |            |              |              |          |                  |
| (iii) Chemical Characteris | stics:                |            |              |              |          |                  |
| Characterize Tributa       | ry:                   |            |              |              |          |                  |
| Identify Specific Poll     | utants, if known:     |            |              |              |          |                  |
|                            |                       |            |              |              |          |                  |
|                            |                       |            |              |              |          |                  |
|                            |                       |            |              |              |          |                  |
|                            |                       |            |              |              |          |                  |

| Feature ID: 15A3  |   |
|---|---|
| iv) Biological Characteristic   | cs. Channel supports (check all that apply):  |
| ☐ Riparian Corridor Cl  | naracteristics:   |
| ☐ Wetland Fringe Cha  | racteristics:   |
| Habitat for:  |   |
| ☐ Federally Listed Spec   | cies Explain:   |
| ☐ Fish/Spawn Areas  | Explain:  |
| $\square$ Other environmenta  | lly -sensitive species Explain:   |
| ☐ Aquatic/Wildlife dive   | ersity Explain:   |
| Characteristics of westlaw  | ade adiscout to you TRIM that flow divertily on indivertily into TRIM   |
| <ol> <li>Characteristics of wetlar</li> <li>Physical Characteristics:</li> </ol>                              | nds adjacent to non-TNW that flow directly or indirectly into TNW   |
| -   |   |
| Wetland Size (ac):  | Wetland Type, Explain:  |
| Wetland Quality, Explai   |   |
|   | or Serve as State Boundaries, Explain:  |
| Wetland Flow is:  | Explain: Characteristics:   |
| Surface Flow is: Subsurface Flow:   |   |
| Subsurface Flow.  | Explain Findings:   |
| ☐ Ecologcal connect☐ Separated by berr<br>Project Wetlands: River<br>Project Wetlands: Aeria<br>Flow is From: | hydrologic connection Explain: ion Explain: m/barrier Explain: Miles from TNW: al Miles from TNW: of Wetland within Floodplain: |
| Characterize Wetland S  | ystem:  |
|   |   |
| _   | cs. Wetland supports (check all that apply):  |
| ☐ Riparian Buffer Ex  |   |
| Habitat for:  | rcent cover. Explain:   |
| ☐ Federally Listed Sp   | necies Explain:   |
| ☐ Fish/Spawn Areas  |   |
| •   | ntally-sensitive species Explain:   |
| ☐ Aquatic/Wildlife □  | ·   |
| •   |   |
| . Characteristics of all wet  | clands adjacent to the non-TNW tributary (if any)   |
| All wetland(s) considered   | ed in cumulative analysis:  |
| Wetland acres in total b  | peing considered in cumulative analysis:  |
| Describe each wetland   | (directly abuts tributary?; size in acres; overall biological, chemical or physical functions):                                 |

| SIGNIFICANT NEXUS DETERMINA  | TION  |
|--|---|
| 1. Significant nexus findings for r into TNW. Explain:   | on-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gilles discharges, in combination with t downstream manmade impounds possibility of a hydrologic connect critical habitats were identified w does not provide lifecycle suppor drainage does not have more tha biological integrity of the TNW. The support of the towns o | e is located more than 100 river miles from the nearest TNW, the Gila River pie Dam. An analysis of peak yearly discharges and potential flood ne geomorphology of the Analysis Area, the presence of a significant ment (Tat Momolikot Dam), and the distance to the TNW, suggests that the cion between this drainage and the TNW is tenuous. No pollutants or ithin the Analysis Area. Additionally, this unnamed ephemeral drainage is functions, nutrients, or organic carbon to species within the TNW. This in a speculative or insubstantial effect on the physical, chemical, and/or nerefore, this unnamed ephemeral drainage does not possess a significant Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for ror indirectly into TNW. Explain:  | on-RPW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for vexplain:  | vetlands adjacent to an RPW but that do not directly abut the RPW.  |
| ☐ TNWs: Linear ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPW   | Acres   |
| 3. Non-RPWs that flow directly of  |   |
|  | ly that flows directly or indirectly into a TNW and has a signficant nexus  |
| Reserved for Section III D 4 (Wet  |   |
| •  | lands adjacent to but not directly abutting RPWs):  |
| ·  | Ws that flow directly or indirectly into TNWs.  |
| ☐ Wetland adjacent to non-RP\ has a significant nexus with the Estimated size of jurisdictions   |   |
| 7. Impoundments of jurisdiction  |   |
| Demonstration of Jurisdiction  |   |
| . ISOLATED WATERS, INCLUDING I   | SOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  |
| VHICH COULD AFFECT INTERSTATE  |   |
| Supporting rationale:  |   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feat        | ure ID: 15A3   |  |   |                           |              |                       |              |
|-------------|--|--|---|---------------------------|--------------|-----------------------|--------------|
|             | described in Sec   |  | •   |                           | neral draina | age determined that i | t did not    |
|             | plain finding of (   |  | ie nearest m  |                           |              |                       |              |
|             | Non-wetland wa<br>Other waters<br>Wetlands   | nters  | 390.27 linea acres  | S                         | 5.08         | width (ft)            |              |
| SECTIO      | ON IV: DATA SO   | JRCES  |   |                           |              |                       |              |
|             | Data Sheets Pre Office Conce Office Does Data Sheets Pre Corps Navigable US Geological S USGS NHD  | epared/Submitions with delined Not Concur with the Concur with the Concur with the Concur water Study urvey Hydrolog | eed on behalf of<br>ation<br>th delineation<br>corps<br>gic Atlas | -                         | ultant: W    | estLand Resources, I  | nc.          |
| <b>&gt;</b> | ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles |  |   |                           |              |                       |              |
|             | USDA Nat'l Res<br>National Wetla<br>State/Local We<br>FEMA/FIR M   | nds Inventory N  | Naps Cite N   | rvey Citatio<br>Map Name: | on:          |                       |              |
|             | 100-year Flood<br>Aerial Photogra  | plain Elevation phs (Name a  | nd Date): BIN   | -                         | Virtual Ea   |                       | tum of 1929) |
|             | Previous Deter   | minations File   | No. and Date  |                           |              |                       |              |
|             | Applicable/Sup   | porting Case La  | w Citation:   |                           |              |                       |              |

☐ Applicable/Supporting Scientific Literature Citation:

| SECTION I: BACKGROUND INFORM   | MATION          |  |             |                       |
|--|-----------------|--|-------------|-----------------------|
| A. Report Completion Date for App  | oroved Jurisdic | tional Determination: 07/30/2  | 012         |                       |
| B. District Office and File No: Los  |                 |  |             |                       |
| C. Project Location and Background   | d Information:  | Drainage Feature 15B   |             |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono  | O'odham Nation, Pima and Pinal   | Counties, A | Arizona               |
| Center coordinates of site: Lat.   | 32.5073         | Long111.9100   |             |                       |
| Name of nearest waterbody: Un  | named Wash 1    | L5B  |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | W: Gila River   | between Powers Butte and Gilles  | spie Dam    |                       |
| ✓ Map/Diagram of potential juris   | dictional area  | is available on request  |             |                       |
| D. Review Performed for Site Evalu   |                 | ·  |             |                       |
| Office Determination. Date:  | idtion.         |  |             |                       |
| Field Determination. Date: 05/2  | 2012            |  |             |                       |
|  |                 |  |             |                       |
| SECTION II: SUMMARY OF FINDING   | <u></u>         |  |             |                       |
| A. RHA Section 10 Determination  |                 |  |             |                       |
| _  |                 | vithin RHA jurisdiction in the revi  | ew area.    |                       |
| B. CWA Section 404 Determination   |                 |  |             |                       |
|  | ie U.S. Within  | CWA jurisdiction in the review a   | rea.        |                       |
| 1. Waters of the US:   |                 | M. 1.1 (6.)  |             |                       |
| Linear Feet  |                 | Width (ft) and/or  | Acres       |                       |
| Limits of Jurisdiction based on:   |                 |  |             |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional was</li> </ol> |                 | etlands were assessed and deter  | mined not   | to be jurisdictional: |
|  | it possessed a  | ify as a TNW or RPW. Therefore,<br>significant nexus with a downstr<br>downstream TNW. |             |                       |
| SECTION III: CWA ANALYSIS  |                 |  |             |                       |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs     |  |             |                       |
| 1. Identified TNW:   |                 |  |             |                       |
| Rationale for TNW determinat   | tion:           |  |             |                       |
| 2. Rationale for conclusion tha  | nt any wetland  | s present are "adjacent":  |             |                       |
| B. CHARACTERISTICS OF NON-TN   | N TRIBLITΔRY    | AND ITS ADIACENT WETI ANDS   |             |                       |
| TNW Watershed Size (sq mi):  | 49650           | Tributaries flow to TNW:   |             | 4                     |
| Drainage Area (sq mi):   | 0.00030         | River Miles from tributary   | to TNW:     | 30 (or more)          |
| Average Annual Rainfall (in):  | 8.5             | River Miles from tributary   | to RPW:     |                       |
| Average Annual Snowfall (in):  | 0               | Aerial Miles from tributary<br>Aerial Miles from tributary                             |             | 30 (or more)          |
| ☐ Project waters cross or serv   | ve as state bou | ındaries. Explain:   |             |                       |

Feature ID: 15B

| Identify flow route to   |           |                      |  |
|--|-----------|----------------------|--|
| •  |           | •                    | s Area are ultimately tributary to the Santa Rosa Wash. Topography tial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural  |           | Explain:             |  |
| Average Width (ft):  | 7.64      |                      |  |
| Average Depth (ft):  | 1         |                      |  |
| Average Side Slopes:   | 2:1       |                      |  |
| ✓ Silts ☐ Sands  | Лuck      | Cobbles<br>Other, Ex | ☐ Bedrock ☑ Gravel ☐ Vegetation  xplain:   |
| ☐ Concrete ☐ N   |           | . Cualain.           | Stable   |
| □ Concrete □ N   □ I | Stability | r. Explain:          | Stable   |
|  |           | •                    |  |
| Tributary Condition/S  | e/Pool    | •                    | Explain: Not Present   |

| (c) Flow:                       |                      |              |  |             |         |               |  |  |
|---------------------------------|----------------------|--------------|--|-------------|---------|---------------|--|--|
| Tributary Provides for:         | Ephemeral Flow       | Average      | Flow Eve   |             |         |               |  |  |
| Describe Flow Regime:           | Ephemeral            | Other Inf    | ormatic  | n on Durat  | ion and | Volume:       |  |  |
| Surface Flow is:                | Confined             | Characte     | ristics:   |             |         |               |  |  |
| Subsurface Flow:                | No                   | Explain:     |  |             |         |               |  |  |
| Tributary Has:                  |                      |              |  |             |         |               |  |  |
| $\square$ Bed and Banks         |                      |              |  |             |         |               |  |  |
| ✓ OHWM: OHWM Inc                | licators:            |              |  |             |         |               |  |  |
| $\square$ Clear, natural line i | mpressed on the bank | : □ <b>ν</b> | egetati  | on matted   | down, b | ent or absent |  |  |
| Changes in soil cha             | racter               |              | eaf litte  | r disturbed | or wasl | ned away      |  |  |
| ☐ Shelving                      |                      | □ P          | ☐ Presence of litter and debris                      |             |         |               |  |  |
| ☐ Sediment deposition           | on                   | ✓ [          | Destruction of terrestrial vegetation                |             |         |               |  |  |
| Sediment sorting                |                      |              | $\square$ Abrupt change in plant community           |             |         |               |  |  |
| ☐ Scour                         |                      |              | $\square$ Multiple observed or predicted flow events |             |         |               |  |  |
| ☐ Presence of wrack             | line                 | □ V          | ☐ Water staining                                     |             |         |               |  |  |
| Other (list):                   |                      |              |  |             |         |               |  |  |
| ☐ Discontinuous? Ex             | xplain:              |              |  |             |         |               |  |  |
| (iii) Chemical Characteris      | tics:                |              |  |             |         |               |  |  |
| Characterize Tributar           | γ:                   |              |  |             |         |               |  |  |
| Identify Specific Pollu         |                      |              |  |             |         |               |  |  |
| <br>                            |                      |              |  |             |         |               |  |  |
|                                 |                      |              |  |             |         |               |  |  |
|                                 |                      |              |  |             |         |               |  |  |
|                                 |                      |              |  |             |         |               |  |  |

| Feature ID: 15B   |  |  |  |  |  |
|---|--|--|--|--|--|
| iv) Biological Characteristic   | cs. Channel supports (check all that apply):   |  |  |  |  |
| ☐ Riparian Corridor C   | haracteristics:  |  |  |  |  |
| ☐ Wetland Fringe Cha  | racteristics:  |  |  |  |  |
| Habitat for:  |  |  |  |  |  |
| ☐ Federally Listed Spec   | cies Explain:  |  |  |  |  |
| ☐ Fish/Spawn Areas  | Explain:   |  |  |  |  |
| ☐ Other environmenta  | ·  |  |  |  |  |
| ☐ Aquatic/Wildlife dive   | ersity Explain:  |  |  |  |  |
| 3. Chamataniatian afaaatlaa   |  |  |  |  |  |
| <ol><li>Characteristics of wetlar<br/>(i) Physical Characteristics:</li></ol>                                     | nds adjacent to non-TNW that flow directly or indirectly into TNW                                    |  |  |  |  |
| Wetland Size (ac):  | Wetland Type, Explain:   |  |  |  |  |
| Wetland Quality, Explain  | in:  |  |  |  |  |
| Project Wetlands Cross  | or Serve as State Boundaries, Explain:   |  |  |  |  |
| Wetland Flow is:  | Explain:   |  |  |  |  |
| Surface Flow is:  | Characteristics:   |  |  |  |  |
| Subsurface Flow:  | Explain Findings:  |  |  |  |  |
| ☐ Ecologcal connect<br>☐ Separated by bern<br>Project Wetlands: River<br>Project Wetlands: Aeria<br>Flow is From: | y Abutting Non-TNW hydrologic connection Explain: tion Explain: m/barrier Explain: r Miles from TNW: |  |  |  |  |
| (ii) Chemical Characteristics   | S:   |  |  |  |  |
| Characterize Wetland S  |  |  |  |  |  |
|   |  |  |  |  |  |
| -   | cs. Wetland supports (check all that apply):   |  |  |  |  |
| ☐ Riparian Buffer Ex  |  |  |  |  |  |
| Habitat for:  | ercent cover. Explain:   |  |  |  |  |
| Federally Listed S  | necies Evnlain:  |  |  |  |  |
| ☐ Fish/Spawn Areas  | •  |  |  |  |  |
| ☐ Other environmentally-sensitive species Explain:  |  |  |  |  |  |
| ☐ Aquatic/Wildlife □  | ·  |  |  |  |  |
|   | , .  |  |  |  |  |
|   | tlands adjacent to the non-TNW tributary (if any)  |  |  |  |  |
| • •   | ed in cumulative analysis:   |  |  |  |  |
| Wetland acres in total I  | being considered in cumulative analysis:   |  |  |  |  |
| Describe each wetland   | (directly abuts tributary?; size in acres; overall biological, chemical or physical functions        |  |  |  |  |

| SIGNIFICANT NEXUS DETERMINA  | TION   |
|--|--|
| 1. Significant nexus findings for n into TNW. Explain:   | on-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gilles, discharges, in combination with the downstream manmade impounds possibility of a hydrologic connect critical habitats were identified with does not provide lifecycle support drainage does not have more than biological integrity of the TNW. The | e is located more than 100 river miles from the nearest TNW, the Gila River bie Dam. An analysis of peak yearly discharges and potential flood be geomorphology of the Analysis Area, the presence of a significant ment (Tat Momolikot Dam), and the distance to the TNW, suggests that the ion between this drainage and the TNW is tenuous. No pollutants or thin the Analysis Area. Additionally, this unnamed ephemeral drainage functions, nutrients, or organic carbon to species within the TNW. This is a speculative or insubstantial effect on the physical, chemical, and/or terefore, this unnamed ephemeral drainage does not possess a significant Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for n or indirectly into TNW. Explain:   | on-RPW and its adjacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for w Explain:   | retlands adjacent to an RPW but that do not directly abut the RPW.   |
| ☐ TNWs: Linear ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs)   | Acres  |
| 3. Non-RPWs that flow directly o   |  |
| _  | y that flows directly or indirectly into a TNW and has a signficant nexus  |
| Reserved for Section III D 4 (Wet  |  |
| •  | ands adjacent to but not directly abutting RPWs):  |
| ·  | Vs that flow directly or indirectly into TNWs.   |
| •  | /s which, in combination with the tributary and other adjacent wetlands, le TNW.   |
| 7. Impoundments of jurisdiction  |  |
| Demonstration of Jurisdiction  | :  |
| E. ISOLATED WATERS, INCLUDING I  | SOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   |
| WHICH COULD AFFECT INTERSTATE  |  |
| Supporting rationale: Length (linear feet):  | Acres:   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 15B  |  |                   |                                       |            |  |  |
|--|--|-------------------|---------------------------------------|------------|--|--|
| As described in Section 3C possess a significant nexus |  |                   | meral drainage determined that it did | not        |  |  |
| Explain finding of Other:                              |  |                   |                                       |            |  |  |
| ✓ Non-wetland waters                                   | 1105.93 I  | inear feet (ft),  | 7.64 width (ft)                       |            |  |  |
| Other waters   | ā  | acres             |                                       |            |  |  |
| ☐ Wetlands   | 6  | acres             |                                       |            |  |  |
| SECTION IV: DATA SOURCES                               |  |                   |                                       |            |  |  |
| ✓ Maps, Plans, Plots or P                              | lat Submitted by                                 | Applicant/Con     | sultant: WestLand Resources, Inc.     |            |  |  |
| ✓ Data Sheets Prepared/                                | Submitted on ber                                 | nalf of Applicant |                                       |            |  |  |
| $\square$ Office Concurs with                          | n delineation                                    |                   |                                       |            |  |  |
| ☐ Office Does Not Co                                   | ncur with delineat                               | tion              |                                       |            |  |  |
| ☐ Data Sheets Prepared                                 | by the Corps                                     |                   |                                       |            |  |  |
| ☐ Corps Navigable Water                                | r Study  |                   |                                       |            |  |  |
| $\square$ US Geological Survey F                       | Hydrologic Atlas                                 |                   |                                       |            |  |  |
| USGS NHD Data  |  |                   |                                       |            |  |  |
| $\square$ USGS 8 and 12 digi                           | it HUC Map                                       |                   |                                       |            |  |  |
| ✓ US Geological Survey N                               | Map(s) Scale and                                 | Quad Name:        |                                       |            |  |  |
|  |  |                   | Rosa Mountains NW 7.5-Minute Qua      | drangles   |  |  |
|  |  | l C C'I I         | •                                     |            |  |  |
| ☐ USDA Nat'l Res Conser                                |  | •                 | ion:                                  |            |  |  |
| _  | National Wetlands Inventory Maps  Cite Map Name: |                   |                                       |            |  |  |
| ☐ FEMA/FIR Maps  | ☐ State/Local Wetland Inventory Maps             |                   |                                       |            |  |  |
| ☐ 100-year Floodplain El                               | evation is:                                      |                   | (National Geodetic Vertical Datum     | of 1929)   |  |  |
| ✓ Aerial Photographs (I                                |  | BING, Microsof    |                                       | 3. 2. 2. 7 |  |  |
| ✓ Other Photographs (I                                 |  |                   |                                       |            |  |  |
| ☐ Previous Determinatio                                | ns File No. and                                  | Date of Respons   | se Letter:                            |            |  |  |
| ☐ Applicable/Supporting                                |  |                   |                                       |            |  |  |
| ☐ Applicable/Supporting                                | Scientific Literatu                              | re Citation:      |                                       |            |  |  |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>       |                      |   |                             |
|---|---------------------|----------------------|---|-----------------------------|
| A. Report Completion Date for App   | roved Jurisdictio   | nal Determination    | : 07/30/2012                            |                             |
| B. District Office and File No: Los   | Angeles District,   | File No. Pending     |   |                             |
| C. Project Location and Background  | d Information:      | Drainage Feature     | 15C                                     |                             |
| City, County, State Sif Oidak Dis   | strict, Tohono O'd  | odham Nation, Pin    | na and Pinal Coun                       | ities, Arizona              |
| Center coordinates of site: Lat.  | 32.5073             | Long111.91           | .00                                     |                             |
| Name of nearest waterbody: Un   | named Wash 150      |                      |   |                             |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River be    | tween Powers But     | te and Gillespie [                      | Dam                         |
| ✓ Map/Diagram of potential juris  | dictional area is a | vailable on reques   | st                                      |                             |
| D. Review Performed for Site Evalu  | lation:             |                      |   |                             |
| Office Determination. Date:   |                     |                      |   |                             |
| Field Determination. Date: 05/  | 2012                |                      |   |                             |
| SECTION II: SUMMARY OF FINDIN   | GS                  |                      |   |                             |
| A. RHA Section 10 Determination   |                     |                      |   |                             |
| There Are No "navigable waters  | s of the U.S." with | nin RHA jurisdictio  | n in the review ar                      | ea.                         |
| B. CWA Section 404 Determination  | n of Jurisdiction   |                      |   |                             |
| There Are No "waters of the   | ne U.S." within CV  | VA jurisdiction in t | he review area.                         |                             |
| 1. Waters of the US:  |                     |                      |   |                             |
| Linear Feet   | V                   | /idth (ft) and/or    | Acre                                    | es                          |
| Limits of Jurisdiction based on:  |                     |                      |   |                             |
| 2. Non-Regulated Waters/Wet   |                     |                      |   |                             |
| ✓ Potentially jurisdictional wa   | iters and/or wetl   | ands were assesse    | d and determine                         | d not to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant no | it possessed a sig  | nificant nexus wit   | •                                       | ,                           |
| SECTION III: CWA ANALYSIS   |                     |                      |   |                             |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs         |                      |   |                             |
| 1. Identified TNW:  |                     |                      |   |                             |
| Rationale for TNW determinate   | ion:                |                      |   |                             |
| 2. Rationale for conclusion tha   | t any wetlands p    | resent are "adjace   | nt":                                    |                             |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY AN      | D ITS ADJACENT V     | VETLANDS                                |                             |
| TNW Watershed Size (sq mi):   | 49650               | Tributaries flo      |   | 4                           |
| Drainage Area (sq mi):  | 0.00055             |                      | om tributary to Ti                      |                             |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 8.5<br>0            |                      | om tributary to RI<br>om tributary to T |                             |
| Average Alliluai Siluwiaii (III).   | J                   |                      | om tributary to 1                       |                             |
| ☐ Project waters cross or serv  | e as state bound    |                      | ,                                       |                             |

Feature ID: 15C

| eature ID: 15C         |  |
|------------------------|--|
| Identify flow route to | TNW:   |
| •                      | within the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography ely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural  | Explain:   |
| Average Width (ft):    | 5.89   |
| Average Depth (ft):    | 1  |
| Average Side Slopes:   | 2:1  |
| ✓ Silts ☐ Sands        | strate composition (check all that apply):  Gravel Uegetation  |
| ☐ Concrete ☐ N         | Muck Other, Explain:   |
| Tributary Condition/S  | Stability. Explain: Stable   |
| Presence of Run/Riffl  | e/Pool Complexes. Explain: Not Present   |
| Tributary Geometry:    | Relatively Straight  |
| Tributary Gradient (a  | pproximate average slope): 2%  |
|                        |  |

| (c) Flow:                  |                      |  |  |             |          |               |  |  |
|----------------------------|----------------------|--|--|-------------|----------|---------------|--|--|
| Tributary Provides for:    | Ephemeral Flow       | Average Flow Events per ye                 |  |             | ear:     | 2-5           |  |  |
| Describe Flow Regime:      | Ephemeral            | Other Inf                                  | ormatio  | n on Dura   | tion and | Volume:       |  |  |
| Surface Flow is:           | Confined             | Characte                                   | ristics:   |             |          |               |  |  |
| Subsurface Flow:           | No                   | Explain:                                   |  |             |          |               |  |  |
| Tributary Has:             |                      |  |  |             |          |               |  |  |
| ☐ Bed and Banks            |                      |  |  |             |          |               |  |  |
| ✓ OHWM: OHWM Inc           | dicators:            |  |  |             |          |               |  |  |
| ☐ Clear, natural line i    | mpressed on the bank | · □ \                                      | /egetatio  | on matted   | down, b  | ent or absent |  |  |
| ✓ Changes in soil cha      | racter               |  | eaf litte  | r disturbe  | d or was | hed away      |  |  |
| ☐ Shelving                 |                      | □ P  | resence  | of litter a | nd debri | S             |  |  |
| ☐ Sediment deposition      | on                   | ✓ [  | Destruction of terrestrial vegetation                |             |          |               |  |  |
| ✓ Sediment sorting         |                      | $\square$ Abrupt change in plant community |  |             |          |               |  |  |
| ☐ Scour                    |                      |  | $\square$ Multiple observed or predicted flow events |             |          |               |  |  |
| ☐ Presence of wrack        | line                 | ☐ Water staining                           |  |             |          |               |  |  |
| Other (list):              |                      |  |  |             |          |               |  |  |
| ☐ Discontinuous? Ex        | xplain:              |  |  |             |          |               |  |  |
| (iii) Chemical Characteris | tics:                |  |  |             |          |               |  |  |
| Characterize Tributa       |                      |  |  |             |          |               |  |  |
| Identify Specific Poll     |                      |  |  |             |          |               |  |  |
| , ,                        | •                    |  |  |             |          |               |  |  |
|                            |                      |  |  |             |          |               |  |  |
|                            |                      |  |  |             |          |               |  |  |
|                            |                      |  |  |             |          |               |  |  |

| Feature ID: 15C  |   |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|
| (iv) Biological Characteristics. Channel supports (  | check all that apply):  |  |  |  |  |  |  |
| Riparian Corridor Characteristics:   |   |  |  |  |  |  |  |
| ☐ Wetland Fringe Characteristics:  |   |  |  |  |  |  |  |
| Habitat for:   |   |  |  |  |  |  |  |
| ☐ Federally Listed Species Explain:  |   |  |  |  |  |  |  |
| ☐ Fish/Spawn Areas Explain:  |   |  |  |  |  |  |  |
| ☐ Other environmentally -sensitive species Explain:  |   |  |  |  |  |  |  |
| $\square$ Aquatic/Wildlife diversity Explain:  |   |  |  |  |  |  |  |
| 2. Characteristics of wetlands adjacent to non-TN  | IW that flow directly or indirectly into TNW                            |  |  |  |  |  |  |
| (i) Physical Characteristics:  | and their directly of municity into 1991                                |  |  |  |  |  |  |
|  | nd Type, Explain:   |  |  |  |  |  |  |
| Wetland Quality, Explain:  |   |  |  |  |  |  |  |
| Project Wetlands Cross or Serve as State Bour  | ndaries, Explain:   |  |  |  |  |  |  |
| Wetland Flow is: Expla   |   |  |  |  |  |  |  |
|  | eristics:   |  |  |  |  |  |  |
| Subsurface Flow: Explain   | Findings:   |  |  |  |  |  |  |
| ☐ Wetland Directly Abutting Non-TNW  |   |  |  |  |  |  |  |
| ☐ Wetland Not Directly Abutting Non-TNW  |   |  |  |  |  |  |  |
| ☐ Discrete wetland hydrologic connection   | Explain:  |  |  |  |  |  |  |
| ☐ Ecologcal connection Explain:  |   |  |  |  |  |  |  |
| ☐ Separated by berm/barrier Explain:   |   |  |  |  |  |  |  |
| Project Wetlands: River Miles from TNW:  |   |  |  |  |  |  |  |
| Project Wetlands: Aerial Miles from TNW:   |   |  |  |  |  |  |  |
| Flow is From:  |   |  |  |  |  |  |  |
| Approximate Location of Wetland within Floo  | dplain:   |  |  |  |  |  |  |
| (ii) Chemical Characteristics:   |   |  |  |  |  |  |  |
| Characterize Wetland System:   |   |  |  |  |  |  |  |
| (iii) Biological Characteristics. Wetland supports (   | check all that annly):  |  |  |  |  |  |  |
|  | check an that approp.   |  |  |  |  |  |  |
| <ul><li>☐ Riparian Buffer Explain:</li><li>☐ Vegetation type/percent cover. Explain:</li></ul> |   |  |  |  |  |  |  |
| Habitat for:   |   |  |  |  |  |  |  |
| Federally Listed Species Explain:  |   |  |  |  |  |  |  |
| ☐ Fish/Spawn Areas Explain:  |   |  |  |  |  |  |  |
| ☐ Other environmentally-sensitive species  | Explain:  |  |  |  |  |  |  |
| ☐ Aquatic/Wildlife Diversity Explain:  |   |  |  |  |  |  |  |
| 3. Characteristics of all wetlands adjacent to the   | non-TNW/tributary (if any)  |  |  |  |  |  |  |
| ·  |   |  |  |  |  |  |  |
| All wetland(s) considered in cumulative analys   |   |  |  |  |  |  |  |
| Wetland acres in total being considered in cumulative analysis:                                |   |  |  |  |  |  |  |
| Describe each wetland (directly abuts tributar   | y?; size in acres; overall biological, chemical or physical functions): |  |  |  |  |  |  |
|  |   |  |  |  |  |  |  |
|  |   |  |  |  |  |  |  |

| 316                           | NIFICANT NEXUS DETERMINATION   |
|-------------------------------|--|
|                               | Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly or TNW. Explain:   |
| ber dis do po crir do dra bio | s unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River tween Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood charges, in combination with the geomorphology of the Analysis Area, the presence of a significant wastream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the sibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or cical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage are not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This sinage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or logical integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant was with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. |
|                               | Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly indirectly into TNW. Explain:   |
|                               | Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
|                               | TNWs: Linear Feet Width (ft), Or, Acres Wetlands adjacent to TNWs: Acres   |
| Re                            | served for Section III D 2 (RPWs):   |
|                               | -  |
|                               | Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  |
| 3.                            | Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  |
| <b>3.</b>                     | Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  |
| Re                            | Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  esserved for Section III D 4 (Wetlands directly abutting RPWs):   |
| Re                            | Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  |
| 3. Re Re 6.                   | Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  esserved for Section III D 4 (Wetlands directly abutting RPWs):  esserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.   |
| 3. Re Re 6.                   | Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  eserved for Section III D 4 (Wetlands directly abutting RPWs):  eserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 15C                 |                      |                        |              |                |               |     |
|---------------------------------|----------------------|------------------------|--------------|----------------|---------------|-----|
| As described in Section 3C      | · ·                  | ·                      | rainage de   | termined tha   | at it did not |     |
| possess a significant nexus     | with the nearest     | TNW.                   |              |                |               |     |
| Explain finding of Other:       |                      |                        |              |                |               |     |
| ✓ Non-wetland waters            | 2589.07 liı          | near feet (ft),        | 5.89 width   | (ft)           |               |     |
| $\square$ Other waters          | ac                   | cres                   |              |                |               |     |
| $\square$ Wetlands              | ac                   | cres                   |              |                |               |     |
| SECTION IV: DATA SOURCES        |                      |                        |              |                |               |     |
| ✓ Maps, Plans, Plots or P       | lat Suhmitted by     | Annlicant/Consultant   | · Westla     | nd Resource    | s Inc         |     |
| ✓ Data Sheets Prepared/         |                      |                        | . VVC3tLai   | na nesource.   | 3, 1110.      |     |
| ☐ Office Concurs with           |                      | an or apprount         |              |                |               |     |
| ☐ Office Does Not Cor           |                      | ion                    |              |                |               |     |
| ☐ Data Sheets Prepared b        | by the Corps         |                        |              |                |               |     |
| ☐ Corps Navigable Water         | •                    |                        |              |                |               |     |
| ☐ US Geological Survey H        | ydrologic Atlas      |                        |              |                |               |     |
| USGS NHD Data                   |                      |                        |              |                |               |     |
| ☐ USGS 8 and 12 digi            | t HUC Map            |                        |              |                |               |     |
| ✓ US Geological Survey N        | Map(s) Scale and     | Ouad Name:             |              |                |               |     |
| ,                               | • • •                | elik, and Santa Rosa N | /lountains I | NW 7.5-Minu    | ute Quadrangl | es  |
| ☐ USDA Nat'l Res Conser         | vation Sarvica Sail  | Survey Citation:       |              |                |               |     |
| ☐ National Wetlands Inve        |                      | te Map Name:           |              |                |               |     |
| ☐ State/Local Wetland In        |                      | te Map Name.           |              |                |               |     |
| ☐ FEMA/FIR Maps                 | remedity maps        |                        |              |                |               |     |
| ☐ 100-year Floodplain Ele       | evation is:          | (Nat                   | ional Geod   | letic Vertical | Datum of 192  | .9) |
| ✓ Aerial Photographs (N         |                      |                        |              |                |               | ·   |
| ✓ Other Photographs (N          | Name and Date):      | Ground Photos; May 2   | 2012         |                |               |     |
| Previous Determination          | ns File No. and D    | Date of Response Lette | er:          |                |               |     |
| $\square$ Applicable/Supporting | Case Law Citatio     | on:                    |              |                |               |     |
| $\square$ Applicable/Supporting | Scientific Literatur | re Citation:           |              |                |               |     |
| Other Information, Plea         | ase Specify:         |                        |              |                |               |     |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION   |                       |
|---|-----------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012                         |                       |
| B. District Office and File No: Los Angeles District, File No. Pending                                  |                       |
| C. Project Location and Background Information: Drainage Feature 15D                                    |                       |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties,                 | Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |                       |
| Name of nearest waterbody: Unnamed Wash 15D   |                       |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam                       |                       |
| HUC Code: 15050306  |                       |
| ✓ Map/Diagram of potential jurisdictional area is available on request                                  |                       |
| D. Review Performed for Site Evaluation:  |                       |
| Office Determination. Date:   |                       |
| Field Determination. Date: 05/2012  |                       |
| SECTION II: SUMMARY OF FINDINGS   |                       |
| A. RHA Section 10 Determination of Jurisdiction   |                       |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.                 |                       |
| B. CWA Section 404 Determination of Jurisdiction  |                       |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.                           |                       |
| 1. Waters of the US:  |                       |
| Linear Feet Width (ft) and/or Acres   |                       |
| Limits of Jurisdiction based on:  |                       |
| 2. Non-Regulated Waters/Wetlands:   |                       |
| <ul> <li>Potentially jurisdictional waters and/or wetlands were assessed and determined not</li> </ul>  | to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drainage                    | age could only be     |
| considered jurisdictional if it possessed a significant nexus with a downstream TNW                     | . This drainage does  |
| not possess a significant nexus with the downstream TNW.  |                       |
| SECTION III: CWA ANALYSIS   |                       |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |                       |
| 1. Identified TNW:  |                       |
| Rationale for TNW determination:  |                       |
| 2. Rationale for conclusion that any wetlands present are "adjacent":                                   |                       |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS                                       |                       |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4                     |
| Drainage Area (sq mi): 0.00005 River Miles from tributary to TNW:                                       | 30 (or more)          |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:                                    | 20 (or mars)          |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW: Aerial Miles from tributary to RPW: | 30 (or more)          |
| ☐ Project waters cross or serve as state boundaries. Explain:   |                       |

Feature ID: 15D

| Identify flow route to<br>Unnamed drainages v<br>suggests the most lik<br>River. | within                       | the Analysi                       |              | •            | •      |        |  |
|--|------------------------------|-----------------------------------|--------------|--------------|--------|--------|--|
| Tributary is: Natural  |                              | Explain:                          |              |              |        |        |  |
| Average Width (ft):  | 4.15                         |                                   |              |              |        |        |  |
| Average Depth (ft):  | 1                            |                                   |              |              |        |        |  |
| Average Side Slopes:   | 2:1                          |                                   |              |              |        |        |  |
| Primary tributary sub  | strate                       | compositio                        | n (check all | that apply): |        |        |  |
| ✓ Silts □ Sands  |                              | compositio<br>Cobbles<br>Other, E | ☐ Bedro      |              | □ Vege | tation |  |
| ✓ Silts ☐ Sands  | /luck                        | Cobbles Other, E                  | ☐ Bedro      |              | □ Vege | tation |  |
| ✓ Silts ☐ Sands  | /luck                        | Cobbles Other, E                  | ☐ Bedroo     |              | □ Vege | tation |  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Fributary Condition/S                            | /luck<br>Stability<br>e/Pool | Cobbles Other, E                  | Bedroo       | ck ☑ Gravel  | □ Vege | tation |  |

| (c) Flow:                  |                       |            |           |             |           |                   |
|----------------------------|-----------------------|------------|-----------|-------------|-----------|-------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average    | Flow Eve  | ents per y  | ear:      | 2-5               |
| Describe Flow Regime:      | Ephemeral             | Other Inf  | ormatio   | n on Dura   | ition and | d Volume:         |
| Surface Flow is:           | Confined              | Characte   | ristics:  |             |           |                   |
| Subsurface Flow:           | No                    | Explain:   |           |             |           |                   |
| Tributary Has:             |                       |            |           |             |           |                   |
| ☐ Bed and Banks            |                       |            |           |             |           |                   |
| ✓ OHWM: OHWM Inc           | dicators:             |            |           |             |           |                   |
| ☐ Clear, natural line      | impressed on the banl | · □ \      | /egetatio | on matted   | l down, l | bent or absent    |
| ✓ Changes in soil cha      | •                     |            | _         |             |           | shed away         |
| ☐ Shelving                 |                       | □ F        | resence   | of litter a | ınd debr  | ris               |
| ☐ Sediment deposition      | on                    | <b>~</b> [ | Destructi | ion of terr | estrial v | egetation         |
| ✓ Sediment sorting         |                       |            | Abrupt cl | hange in p  | lant con  | nmunity           |
| ☐ Scour                    |                       |            | Multiple  | observed    | or predi  | icted flow events |
| ☐ Presence of wrack        | line                  |            | Water sta | aining      |           |                   |
| Other (list):              |                       |            |           |             |           |                   |
| ☐ Discontinuous? Ex        | xplain:               |            |           |             |           |                   |
| (iii) Chemical Characteris | stics:                |            |           |             |           |                   |
| Characterize Tributa       | ry:                   |            |           |             |           |                   |
| Identify Specific Poll     | •                     |            |           |             |           |                   |
|                            |                       |            |           |             |           |                   |
|                            |                       |            |           |             |           |                   |
|                            |                       |            |           |             |           |                   |
|                            |                       |            |           |             |           |                   |

| iv) Biological Characterist  | ics. Channel supports (check all that apply):                        |
|--|--|
| ☐ Riparian Corridor (  | Characteristics:   |
| ☐ Wetland Fringe Cha   | aracteristics:   |
| Habitat for:   |  |
| ☐ Federally Listed Spe   | ecies Explain:   |
| ☐ Fish/Spawn Areas   | Explain:   |
| ☐ Other environment  | ally -sensitive species Explain:                                     |
| $\square$ Aquatic/Wildlife div   | versity Explain:   |
| 2 Characteristics of wetla   | ands adjacent to non-TNW that flow directly or indirectly into TNW   |
| (i) Physical Characteristics:  |  |
| Wetland Size (ac):   | Wetland Type, Explain:   |
| Wetland Quality, Expla   |  |
| Project Wetlands Cros  | ss or Serve as State Boundaries, Explain:                            |
| Wetland Flow is:   | Explain:   |
| Surface Flow is:   | Characteristics:   |
| Subsurface Flow:   | Explain Findings:  |
| ☐ Wetland Directly Ab  | outting Non-TNW  |
| ☐ Wetland Not Direct   |  |
|  | Hydrologic connection Explain:                                       |
| ☐ Ecologcal connec   |  |
| ☐ Separated by ber   | rm/barrier Explain:  |
| Project Wetlands: Rive   | er Miles from TNW:   |
| Project Wetlands: Aeri   | ial Miles from TNW:  |
| Flow is From:  |  |
| Approximate Location   | of Wetland within Floodplain:  |
| (ii) Chemical Characteristic   | CS:  |
| Characterize Wetland   | System:  |
| iii) Biological Characterist   | ics. Wetland supports (check all that apply):                        |
| Riparian Buffer Ex   |  |
| •  | ercent cover. Explain:   |
| Habitat for:   | ercent cover Explain   |
| ☐ Federally Listed S   | Species Explain:   |
| ☐ Fish/Spawn Area  |  |
| • •  | entally-sensitive species Explain:                                   |
|  | Diversity Explain:   |
| ☐ Aquatic/Wildlife   |  |
| $\square$ Aquatic/Wildlife   | etlands adjacent to the non-TNW tributary (if any)                   |
| ☐ Aquatic/Wildlife  3. Characteristics of all we   | etlands adjacent to the non-TNW tributary (if any)                   |
| <ul><li>Aquatic/Wildlife</li><li>Characteristics of all we All wetland(s) consider</li></ul> | red in cumulative analysis: being considered in cumulative analysis: |

| C. SIGNIFICANT NEXUS DETE  | ERMINATION  |
|--|---|
| 1. Significant nexus findin into TNW. Explain:   | ngs for non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and discharges, in combination downstream manmade im possibility of a hydrologic critical habitats were iden does not provide lifecycle drainage does not have multiple biological integrity of the discharge and some some provide lifecycle drainage does not have multiple biological integrity of the discharge does not have multiple biological integrity of the discharge does not have multiple biological integrity of the discharge does not have multiple biological integrity of the discharges and discharges are discharges and | drainage is located more than 100 river miles from the nearest TNW, the Gila River and Gillespie Dam. An analysis of peak yearly discharges and potential flood in with the geomorphology of the Analysis Area, the presence of a significant inpoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the connection between this drainage and the TNW is tenuous. No pollutants or attified within the Analysis Area. Additionally, this unnamed ephemeral drainage is support functions, nutrients, or organic carbon to species within the TNW. This more than a speculative or insubstantial effect on the physical, chemical, and/or TNW. Therefore, this unnamed ephemeral drainage does not possess a significant in of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findir or indirectly into TNW. Ex   | ngs for non-RPW and its adjacent wetlands, where the non-RPW flows directly xplain:   |
| 3. Significant nexus findir Explain:   | ngs for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
| <ul><li>☐ TNWs:</li><li>☐ Wetlands adjacent to</li></ul>   |   |
| Reserved for Section III D   | 2 (RPWs):   |
| Reserved for Section III D  3. Non-RPWs that flow di   |   |
| 3. Non-RPWs that flow di  Non-TNW/non-RPW w with a TNW, and is the   | irectly or indirectly into TNWs. vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.   |
| 3. Non-RPWs that flow di  Non-TNW/non-RPW w with a TNW, and is the Length (Linear Feet):   | irectly or indirectly into TNWs.  vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet): Acres:  |
| 3. Non-RPWs that flow did Non-TNW/non-RPW w with a TNW, and is the Length (Linear Feet):  Reserved for Section III D   | vaterbody that flows directly or indirectly into a TNW and has a significant nexus erfore jurisdictional.  Width (feet):  Acres:  O 4 (Wetlands directly abutting RPWs):  |
| 3. Non-RPWs that flow di  Non-TNW/non-RPW w with a TNW, and is the Length (Linear Feet):  Reserved for Section III D Reserved for Section III D  | irectly or indirectly into TNWs.  vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet):  Acres:  O 4 (Wetlands directly abutting RPWs):  O 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| 3. Non-RPWs that flow di  Non-TNW/non-RPW w with a TNW, and is the Length (Linear Feet):  Reserved for Section III D Reserved for Section III D 6. Wetlands adjacent to has a significant nexu   | irectly or indirectly into TNWs.  vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet):  Acres:  O 4 (Wetlands directly abutting RPWs):  O 5 (Wetlands adjacent to but not directly abutting RPWs):  non-RPWs that flow directly or indirectly into TNWs.  non-RPWs which, in combination with the tributary and other adjacent wetlands, s with the TNW.   |
| 3. Non-RPWs that flow did Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III Description of the Reserved for Section I | irectly or indirectly into TNWs.  vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet):  Acres:  O 4 (Wetlands directly abutting RPWs):  O 5 (Wetlands adjacent to but not directly abutting RPWs):  non-RPWs that flow directly or indirectly into TNWs.  non-RPWs which, in combination with the tributary and other adjacent wetlands, is with the TNW.  sedictional wetland (in acres):   |
| 3. Non-RPWs that flow di  Non-TNW/non-RPW we with a TNW, and is the Length (Linear Feet):  Reserved for Section III Described for Section III Descri | irectly or indirectly into TNWs.  vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet):  Acres:  O 4 (Wetlands directly abutting RPWs):  O 5 (Wetlands adjacent to but not directly abutting RPWs):  non-RPWs that flow directly or indirectly into TNWs.  non-RPWs which, in combination with the tributary and other adjacent wetlands, is with the TNW.  sidictional wetland (in acres):  isdictional waters.  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 15D  |                       |                 |                                       |          |
|--|-----------------------|-----------------|---------------------------------------|----------|
| As described in Section 3C possess a significant nexus | •                     | •               | meral drainage determined that it did | not      |
| Explain finding of Other:                              |                       |                 |                                       |          |
| ✓ Non-wetland waters                                   | 324.64 lin            | ear feet (ft),  | 4.15 width (ft)                       |          |
| Other waters   | ac                    | res             |                                       |          |
| ☐ Wetlands   | ac                    | res             |                                       |          |
| SECTION IV: DATA SOURCES                               |                       |                 |                                       |          |
| ✓ Maps, Plans, Plots or P                              | lat Submitted by      | Applicant/Con   | sultant: WestLand Resources, Inc.     |          |
| Data Sheets Prepared/                                  | Submitted on beha     | lf of Applicant |                                       |          |
| Office Concurs with                                    |                       |                 |                                       |          |
| Office Does Not Co                                     | ncur with delineation | on              |                                       |          |
| Data Sheets Prepared I                                 | by the Corps          |                 |                                       |          |
| Corps Navigable Water                                  | •                     |                 |                                       |          |
| □ US Geological Survey F                               | ydrologic Atlas       |                 |                                       |          |
| USGS NHD Data  |                       |                 |                                       |          |
| $\square$ USGS 8 and 12 digi                           | t HUC Map             |                 |                                       |          |
| ✓ US Geological Survey N                               | /lap(s) Scale and C   | Quad Name:      |                                       |          |
|  |                       |                 | Rosa Mountains NW 7.5-Minute Qua      | drangles |
| ☐ USDA Nat'l Res Conser                                | vation Service Soil ( | Survey Citat    | ion:                                  |          |
| ☐ National Wetlands Inve                               |                       | e Map Name:     | 1011.                                 |          |
| ☐ State/Local Wetland In                               | , ,                   | e map mamer     |                                       |          |
| ☐ FEMA/FIR Maps  |                       |                 |                                       |          |
| ☐ 100-year Floodplain Ele                              | evation is:           |                 | (National Geodetic Vertical Datum     | of 1929) |
| ✓ Aerial Photographs (I                                | Name and Date): E     | BING, Microsof  | ft Virtual Earth 2008                 |          |
| ✓ Other Photographs (I                                 | Name and Date):       | Ground Photos   | ; May 2012                            |          |
| ☐ Previous Determinatio                                | ns File No. and Da    | ate of Respons  | se Letter:                            |          |
| $\ \square$ Applicable/Supporting                      | Case Law Citation     | n:              |                                       |          |
| ☐ Applicable/Supporting                                | Scientific Literature | e Citation:     |                                       |          |

| SECTION I: BACKGROUND INFORM  | 1ATION              |                      |  |                                       |
|---|---------------------|----------------------|--|---------------------------------------|
| A. Report Completion Date for App   | oroved Jurisdiction | nal Determination    | : 07/30/2012                             |                                       |
| B. District Office and File No: Los   | Angeles District,   | File No. Pending     |  |                                       |
| C. Project Location and Background  | d Information:      | Drainage Feature     | 15E                                      |                                       |
| City, County, State Sif Oidak Dis   | strict, Tohono O'c  | dham Nation, Pin     | na and Pinal Count                       | ties, Arizona                         |
| Center coordinates of site: Lat.  | 32.5073             | Long111.91           | .00                                      |                                       |
| Name of nearest waterbody: Un   | named Wash 15E      |                      |  |                                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River be    | tween Powers But     | te and Gillespie D                       | am                                    |
| ✓ Map/Diagram of potential juris  | dictional area is a | vailable on reques   | st                                       |                                       |
| D. Review Performed for Site Evalu  | lation:             |                      |  |                                       |
| Office Determination. Date:   |                     |                      |  |                                       |
| Field Determination. Date: 05/  | 2012                |                      |  |                                       |
| SECTION II: SUMMARY OF FINDIN   | GS                  |                      |  |                                       |
| A. RHA Section 10 Determination   |                     |                      |  |                                       |
| There Are No "navigable waters  |                     | nin RHA jurisdiction | n in the review are                      | ea.                                   |
| B. CWA Section 404 Determination  | on of Jurisdiction  |                      |  |                                       |
| There Are No "waters of the   | ne U.S." within CV  | VA jurisdiction in t | he review area.                          |                                       |
| 1. Waters of the US:  |                     |                      |  |                                       |
| Linear Feet   | W                   | /idth (ft) and/or    | Acre                                     | es .                                  |
| Limits of Jurisdiction based on:  |                     |                      |  |                                       |
| 2. Non-Regulated Waters/Wet   |                     |                      | d d d-t                                  |                                       |
| ✓ Potentially jurisdictional wa   |                     |                      |  | <u> </u>                              |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a sig  | nificant nexus wit   | •  |                                       |
| SECTION III: CWA ANALYSIS   |                     |                      |  |                                       |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs         |                      |  |                                       |
| 1. Identified TNW:  |                     |                      |  |                                       |
| Rationale for TNW determinate   | tion:               |                      |  |                                       |
| 2. Rationale for conclusion tha   | t any wetlands p    | resent are "adjace   | nt":                                     |                                       |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY AN      | D ITS ADJACENT W     | VETLANDS                                 |                                       |
| TNW Watershed Size (sq mi):   | 49650               | Tributaries flo      |  | 4                                     |
| Drainage Area (sq mi):  | 0.00049             |                      | om tributary to TN                       | · · · · · · · · · · · · · · · · · · · |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 8.5<br>0            |                      | om tributary to RP<br>om tributary to TI |                                       |
| Average Alliluai Siluwiaii (III).   | J                   |                      | om tributary to 11                       | · · · · · · · · · · · · · · · · · · · |
| ☐ Project waters cross or serv  | e as state bound    |                      | •  |                                       |

Feature ID: 15E

| dentify flow route to<br>Unnamed drainages s<br>suggests the most lik        | within the An   | •  | •               | •                   | sa Wash. Topography<br>z Wash to the Gila |
|--|---|--|-----------------|---------------------|---|
| River.   | iciy route or p                                       |  | Janua Nosa Wasi | . to the Junta of a | e wash to the ona                         |
| Tributary is: Natural  | Expl  | ain:   |                 |                     |   |
| Average Width (ft):  | 9.19  |  |                 |                     |   |
| Average Depth (ft):  | 1   |  |                 |                     |   |
| Average Side Slopes:   | 2.1   |  |                 |                     |   |
|  |   | osition (check a                             | ll that apply): |                     |   |
| Primary tributary sub  ✓ Silts ☐ Sands                                       | ostrate compo   |  |                 | ☐ Vegetation        |   |
| Primary tributary sub  ☑ Silts ☐ Sands                                       | ostrate compo   |  |                 | ☐ Vegetation        |   |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                        | ostrate compo<br>G Cobb<br>Muck Oth                   | oles   |                 | ☐ Vegetation        |   |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Fributary Condition/S | ostrate composión Cobb<br>Muck Oth                    | oles   |                 | ☐ Vegetation        |   |
| Primary tributary sub  ✓ Silts □ Sands                                       | ostrate composion Cobb<br>Muck Oth<br>Stability. Expl | her, Explain:  lain: Stable plexes. Explain: | ock 🗹 Gravel    | ☐ Vegetation        |   |

| (c) Flow:                  |                       |                  |                 |               |                    |  |
|----------------------------|-----------------------|------------------|-----------------|---------------|--------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Events     | per year:     | 2-5                |  |
| Describe Flow Regime:      | Ephemeral             | Other Inf        | ormation on     | Duration an   | d Volume:          |  |
| Surface Flow is:           | Confined              | Characte         | ristics:        |               |                    |  |
| Subsurface Flow:           | No                    | Explain:         |                 |               |                    |  |
| Tributary Has:             |                       |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |                 |               |                    |  |
|                            | impressed on the bank | $\square$ $\lor$ | egetation m     | atted down,   | bent or absent     |  |
| Changes in soil changes    | •                     |                  | eaf litter dist | -             |                    |  |
| ☐ Shelving                 |                       | □ P              | resence of li   | tter and deb  | ris                |  |
| ☐ Sediment depositi        | on                    | <b>✓</b> [       | estruction o    | f terrestrial | vegetation         |  |
| Sediment sorting           |                       |                  | Abrupt chang    | e in plant co | mmunity            |  |
| ☐ Scour                    |                       |                  | ∕Iultiple obse  | rved or pred  | licted flow events |  |
| ☐ Presence of wrack        | line                  | □ <b>v</b>       | Vater stainin   | g             |                    |  |
| Other (list):              |                       |                  |                 |               |                    |  |
| ☐ Discontinuous? Ex        | xplain:               |                  |                 |               |                    |  |
| (iii) Chemical Characteris | stics:                |                  |                 |               |                    |  |
| •                          |                       |                  |                 |               |                    |  |
| Characterize Tributa       |                       |                  |                 |               |                    |  |
| Identify Specific Poll     | utants, if known:     |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |

| (iv) Biological Characteristics. Channel supports (check all that apply):  Riparian Corridor Characteristics:  Wetland Fringe Characteristics:  Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally -sensitive species Explain:  Aquatic/Wildlife diversity Explain:  Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  (i) Physical Characteristics:  Wetland Size (ac):  Wetland Type, Explain:  Project Wetlands Cross or Serve as State Boundaries, Explain: |        |
|---|--------|
|   |        |
| Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally -sensitive species Explain:  Aquatic/Wildlife diversity Explain:  Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  (i) Physical Characteristics:  Wetland Size (ac):  Wetland Type, Explain:  Wetland Quality, Explain:   |        |
| ☐ Federally Listed Species Explain: ☐ Fish/Spawn Areas Explain: ☐ Other environmentally -sensitive species Explain: ☐ Aquatic/Wildlife diversity Explain: ☐ Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  (i) Physical Characteristics:  Wetland Size (ac): Wetland Type, Explain: Wetland Quality, Explain:   |        |
| ☐ Fish/Spawn Areas  |        |
| ☐ Other environmentally -sensitive species Explain: ☐ Aquatic/Wildlife diversity Explain: ☐ Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW ☐ Physical Characteristics: ☐ Wetland Size (ac): ☐ Wetland Type, Explain: ☐ Wetland Quality, Explain:   |        |
| Aquatic/Wildlife diversity Explain:  Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  Physical Characteristics:  Wetland Size (ac):  Wetland Type, Explain:  Wetland Quality, Explain:  |        |
| Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  Physical Characteristics:  Wetland Size (ac):  Wetland Quality, Explain:   |        |
| Wetland Size (ac): Wetland Type, Explain: Wetland Quality, Explain:   |        |
| Wetland Size (ac): Wetland Type, Explain: Wetland Quality, Explain:   |        |
| Wetland Quality, Explain:   |        |
| Wetland Quality, Explain:   |        |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |        |
|   |        |
| Wetland Flow is: Explain:   |        |
| Surface Flow is: Characteristics:   |        |
| Subsurface Flow: Explain Findings:  |        |
| ☐ Wetland Directly Abutting Non-TNW   |        |
| ☐ Wetland Not Directly Abutting Non-TNW   |        |
| ☐ Discrete wetland hydrologic connection Explain:   |        |
| ☐ Ecological connection Explain:  |        |
| ☐ Separated by berm/barrier Explain:  |        |
| Project Wetlands: River Miles from TNW:   |        |
| Project Wetlands: Aerial Miles from TNW:  |        |
| Flow is From:   |        |
| Approximate Location of Wetland within Floodplain:  |        |
| ) Chemical Characteristics:   |        |
| Characterize Wetland System:  |        |
|   |        |
| i) Biological Characteristics. Wetland supports (check all that apply):   |        |
| ☐ Riparian Buffer Explain:  |        |
| ☐ Vegetation type/percent cover. Explain:   |        |
| Habitat for:  |        |
| <ul><li>☐ Federally Listed Species Explain:</li><li>☐ Fish/Spawn Areas Explain:</li></ul>   |        |
| ☐ Other environmentally-sensitive species Explain:  |        |
| ☐ Aquatic/Wildlife Diversity Explain:   |        |
|   |        |
| Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |        |
| All wetland(s) considered in cumulative analysis:   |        |
| Wetland acres in total being considered in cumulative analysis:   |        |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical function  | ions): |

| C. SIGNIFICANT NEXUS DETERMINATI  | ON   |
|---|--|
| 1. Significant nexus findings for nor into TNW. Explain:  | n-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gillespie discharges, in combination with the downstream manmade impoundment possibility of a hydrologic connection critical habitats were identified with does not provide lifecycle support for drainage does not have more than a biological integrity of the TNW. The  | Is located more than 100 river miles from the nearest TNW, the Gila River to Dam. An analysis of peak yearly discharges and potential flood geomorphology of the Analysis Area, the presence of a significant ent (Tat Momolikot Dam), and the distance to the TNW, suggests that the n between this drainage and the TNW is tenuous. No pollutants or ain the Analysis Area. Additionally, this unnamed ephemeral drainage functions, nutrients, or organic carbon to species within the TNW. This is a speculative or insubstantial effect on the physical, chemical, and/or refore, this unnamed ephemeral drainage does not possess a significant la River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for not or indirectly into TNW. Explain:  | n-RPW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for we Explain:   | tlands adjacent to an RPW but that do not directly abut the RPW.   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe  | A anno   |
| ■ Wetlands adjacent to TNWs:  | et Width (ft), Or, Acres   |
|   |  |
| Wetlands adjacent to TNWs:  | Acres  |
| ■ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or i  Non-TNW/non-RPW waterbody with a TNW, and is therfore juris Length (Linear Feet):  Reserved for Section III D 4 (Wetlands)   | Acres  ndirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet): Acres:   |
| ■ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or i  Non-TNW/non-RPW waterbody with a TNW, and is therfore juris Length (Linear Feet):  Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wet | Acres  Indirectly into TNWs.  that flows directly or indirectly into a TNW and has a significant nexus solictional.  Width (feet): Acres:  Inds directly abutting RPWs):   |
| ■ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or it  Non-TNW/non-RPW waterbody with a TNW, and is therfore jurist Length (Linear Feet):  Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland Sect | Acres  ndirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet):  Acres:  nds directly abutting RPWs):  nds adjacent to but not directly abutting RPWs):  s that flow directly or indirectly into TNWs.  which, in combination with the tributary and other adjacent wetlands, TNW.   |
| ■ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or it  Non-TNW/non-RPW waterbody with a TNW, and is therfore jurist Length (Linear Feet):  Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland Sect | Acres  Indirectly into TNWs.  Ithat flows directly or indirectly into a TNW and has a signficant nexus solictional.  Width (feet):  Acres:  Inds directly abutting RPWs):  Inds adjacent to but not directly abutting RPWs):  Is that flow directly or indirectly into TNWs.  Which, in combination with the tributary and other adjacent wetlands, TNW.  Wetland (in acres):  |
| ■ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in the section of the s | Acres  Indirectly into TNWs.  Ithat flows directly or indirectly into a TNW and has a signficant nexus solictional.  Width (feet):  Acres:  Inds directly abutting RPWs):  Inds adjacent to but not directly abutting RPWs):  Is that flow directly or indirectly into TNWs.  Which, in combination with the tributary and other adjacent wetlands, TNW.  Wetland (in acres):  |
| ■ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in the section of the s | Acres  Indirectly into TNWs.  Ithat flows directly or indirectly into a TNW and has a signficant nexus edictional.  Width (feet):  Acres:  Inds directly abutting RPWs):  Inds adjacent to but not directly abutting RPWs):  Is that flow directly or indirectly into TNWs.  Which, in combination with the tributary and other adjacent wetlands, TNW.  Wetland (in acres):  Waters.  DIATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 15E   |                    |                           |                                       |          |
|---|--------------------|---------------------------|---------------------------------------|----------|
| As described in Section 3C possess a significant nexus                      |                    |                           | meral drainage determined that it did | not      |
| Explain finding of Other:   |                    |                           |                                       |          |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li></ul>               |                    | inear feet (ft),<br>acres | 9.19 width (ft)                       |          |
| ☐ Wetlands  | ā                  | acres                     |                                       |          |
| SECTION IV: DATA SOURCES  |                    |                           |                                       |          |
| ✓ Maps, Plans, Plots or P   | lat Submitted by   | Applicant/Con             | sultant: WestLand Resources, Inc.     |          |
| Data Sheets Prepared/   |                    | nalf of Applicant         |                                       |          |
| Office Concurs with   |                    |                           |                                       |          |
| Office Does Not Co  | ncur with delineat | tion                      |                                       |          |
| ☐ Data Sheets Prepared I  | by the Corps       |                           |                                       |          |
| Corps Navigable Water   | Study              |                           |                                       |          |
| □ US Geological Survey F  | lydrologic Atlas   |                           |                                       |          |
| USGS NHD Data   |                    |                           |                                       |          |
| $\square$ USGS 8 and 12 digi  | t HUC Map          |                           |                                       |          |
| ✓ US Geological Survey N  | Map(s) Scale and   | Quad Name:                |                                       |          |
|   |                    |                           | Rosa Mountains NW 7.5-Minute Qua      | drangles |
| UCDA Natil Das Causan   |                    | I Commercial City         |                                       |          |
| ☐ USDA Nat'l Res Conser   |                    | •                         | ion:                                  |          |
| <ul><li>☐ National Wetlands Inve</li><li>☐ State/Local Wetland In</li></ul> |                    | ite Map Name:             |                                       |          |
| ☐ FEMA/FIR Maps   | ventory waps       |                           |                                       |          |
| ☐ 100-year Floodplain Ele   | evation is:        |                           | (National Geodetic Vertical Datum     | of 1929) |
| ✓ Aerial Photographs (I   |                    | RING Microsof             |                                       | 01 13237 |
| ✓ Other Photographs (I  |                    |                           |                                       |          |
| ☐ Previous Determinatio   | •                  |                           |                                       |          |
| ☐ Applicable/Supporting   |                    |                           |                                       |          |
| ☐ Applicable/Supporting   |                    |                           |                                       |          |

| SECTION I: BACKGROUND INFORMATION  |                         |
|--|-------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                         |
| B. District Office and File No: Los Angeles District, File No. Pending   |                         |
| C. Project Location and Background Information: Drainage Feature 15F   |                         |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties,  | Arizona                 |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                         |
| Name of nearest waterbody: Unnamed Wash 15F  |                         |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam  |                         |
| HUC Code: 15050306   |                         |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                         |
| D. Review Performed for Site Evaluation:   |                         |
| Office Determination. Date:  |                         |
| Field Determination. Date: 05/2012   |                         |
|  |                         |
| SECTION II: SUMMARY OF FINDINGS  |                         |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.   |                         |
|  |                         |
| B. CWA Section 404 Determination of Jurisdiction   |                         |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.  |                         |
| 1. Waters of the US:   |                         |
| Linear Feet Width (ft) and/or Acres  |                         |
| Limits of Jurisdiction based on:   |                         |
| <ol> <li>Non-Regulated Waters/Wetlands:</li> <li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined no</li> </ol>  | t to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drain considered jurisdictional if it possessed a significant nexus with a downstream TNW not possess a significant nexus with the downstream TNW. | •                       |
| SECTION III: CWA ANALYSIS  |                         |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                         |
| 1. Identified TNW:   |                         |
| Rationale for TNW determination:   |                         |
| 2. Dationale for any division that any continued are account on the discount.  |                         |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                         |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                         |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                       |
| Drainage Area (sq mi): 0.00007 River Miles from tributary to TNW:  | 30 (or more)            |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:   | 20 (0 = = = = )         |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW: Aerial Miles from tributary to RPW:  |                         |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                         |

Feature ID: 15F

| ature ID: 15F                  |   |
|--------------------------------|---|
| Identify flow route to         | W:  |
| •                              | nin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural          | Explain:  |
| Average Width (ft):            | 31  |
| Average Depth (ft):            |   |
| Average Side Slopes:           |   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M | ate composition (check all that apply):   Cobbles  Bedrock  Gravel  Vegetation  k  Other, Explain:  |
| Tributary Condition/St         |   |
| •                              | ool Complexes. Explain: Not Present   |
| Tributary Geometry:            | Relatively Straight   |
| Tributary Gradient (an         | oximate average slope): 2%  |

| (c) Flow:                  |                      |            |           |              |            |                  |  |
|----------------------------|----------------------|------------|-----------|--------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow       | Average    | Flow Eve  | ents per ye  | ar:        | 2-5              |  |
| Describe Flow Regime:      | Ephemeral            | Other Inf  | ormatio   | n on Dura    | tion and   | Volume:          |  |
| Surface Flow is:           | Confined             | Characte   | ristics:  |              |            |                  |  |
| Subsurface Flow:           | No                   | Explain:   |           |              |            |                  |  |
| Tributary Has:             |                      |            |           |              |            |                  |  |
| ☐ Bed and Banks            |                      |            |           |              |            |                  |  |
| ✓ OHWM: OHWM Inc           | licators:            |            |           |              |            |                  |  |
| ☐ Clear, natural line i    | mpressed on the bank | :          | /egetatio | on matted    | down, b    | ent or absent    |  |
| Changes in soil cha        | racter               |            | eaf litte | r disturbed  | or was     | hed away         |  |
| ☐ Shelving                 |                      | □ F        | resence   | of litter a  | nd debri   | S                |  |
| Sediment deposition        | on                   | <b>~</b> [ | Destruct  | ion of terre | estrial ve | egetation        |  |
| ✓ Sediment sorting         |                      |            | Abrupt c  | hange in p   | lant com   | nmunity          |  |
| ☐ Scour                    |                      |            | ∕Iultiple | observed     | or predic  | cted flow events |  |
| ☐ Presence of wrack        | line                 | □ <b>\</b> | Vater st  | aining       |            |                  |  |
| Other (list):              |                      |            |           |              |            |                  |  |
| ☐ Discontinuous? Ex        | plain:               |            |           |              |            |                  |  |
| (iii) Chemical Characteris | tics:                |            |           |              |            |                  |  |
| Characterize Tributar      | ry:                  |            |           |              |            |                  |  |
| Identify Specific Pollu    | utants, if known:    |            |           |              |            |                  |  |
|                            |                      |            |           |              |            |                  |  |
|                            |                      |            |           |              |            |                  |  |
|                            |                      |            |           |              |            |                  |  |
|                            |                      |            |           |              |            |                  |  |

| Feature ID: 15F   |  |
|---|--|
| iv) Biological Characteristi  | cs. Channel supports (check all that apply):   |
| ☐ Riparian Corridor C   | haracteristics:  |
| ☐ Wetland Fringe Cha  | aracteristics:   |
| Habitat for:  |  |
| ☐ Federally Listed Spe  | cies Explain:  |
| ☐ Fish/Spawn Areas  | Explain:   |
| •   | ally -sensitive species Explain:   |
| ☐ Aquatic/Wildlife div  | ·  |
|   | A Land Control of the |
| <ol><li>Characteristics of wetlar</li><li>Physical Characteristics:</li></ol> | nds adjacent to non-TNW that flow directly or indirectly into TNW  |
| Wetland Size (ac):  | Wetland Type, Explain:   |
| Wetland Quality, Expla  | in:  |
| Project Wetlands Cross  | s or Serve as State Boundaries, Explain:   |
| Wetland Flow is:  | Explain:   |
| Surface Flow is:  | Characteristics:   |
| Subsurface Flow:  | Explain Findings:  |
|   | y Abutting Non-TNW<br>hydrologic connection Explain:   |
| ☐ Ecologcal connect   |  |
| ☐ Separated by ber  |  |
| Project Wetlands: Rive  |  |
| Project Wetlands: Aeri  | al Miles from TNW:   |
| Flow is From:   | of Wetland within Flandalain.  |
|   | of Wetland within Floodplain:  |
| (ii) Chemical Characteristic  | s:   |
| Characterize Wetland S  | System:  |
| (iii) Biological Characteristi  | cs. Wetland supports (check all that apply):   |
| ☐ Riparian Buffer Ex  |  |
| ·   | ercent cover. Explain:   |
| Habitat for:  | r · ·  |
| ☐ Federally Listed S  | pecies Explain:  |
| ☐ Fish/Spawn Areas  |  |
| • •   | ntally-sensitive species Explain:  |
| ☐ Aquatic/Wildlife [  | Diversity Explain:   |
| 2 Characteristics of all we   | tlands adjacent to the non-TNW tributary (if any)  |
|   |  |
| • •   | red in cumulative analysis:  |
|   | being considered in cumulative analysis:   |
| Describe each wetland   | (directly abuts tributary?; size in acres; overall biological, chemical or physical function   |

| Feature ID: 15F   | ALC DETERMINATION   |
|---|---|
|   | CUS DETERMINATION   |
| 1. Significant nexi<br>into TNW. Explai   | us findings for non-RPW that has no adjacent wetlands and flows directly or indirectly in:  |
| between Powers discharges, in comdownstream man possibility of a hydritical habitats with does not provide drainage does not biological integrity   | hemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood arbination with the geomorphology of the Analysis Area, the presence of a significant amade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the drologic connection between this drainage and the TNW is tenuous. No pollutants or the identified within the Analysis Area. Additionally, this unnamed ephemeral drainage lifecycle support functions, nutrients, or organic carbon to species within the TNW. This is thave more than a speculative or insubstantial effect on the physical, chemical, and/or y of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant and the Gila River between Powers Butte and Gillespie Dam.   |
| 2. Significant nex or indirectly into   | us findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly TNW. Explain:   |
| 3. Significant nex Explain:   | us findings for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
|   |   |
| 1. TNWs and Adja  TNWs:  Wetlands adj   | Linear Feet Width (ft), Or, Acres acent to TNWs: Acres  |
| 1. TNWs and Adja  TNWs:  Wetlands adj  Reserved for Sect  | Linear Feet Width (ft), Or, Acres sacent to TNWs: Acres Linear Feet Acres   |
| 1. TNWs and Adja  TNWs: Wetlands adj Reserved for Sect 3. Non-RPWs tha Non-TNW/nor with a TNW, a  | Linear Feet Width (ft), Or, Acres facent to TNWs: Acres fion III D 2 (RPWs):  It flow directly or indirectly into TNWs.  In-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.   |
| 1. TNWs and Adja  TNWs: Wetlands adj Reserved for Sect 3. Non-RPWs tha Non-TNW/nor with a TNW, a Length (Linear   | Linear Feet Width (ft), Or, Acres facent to TNWs: Acres fion III D 2 (RPWs):  It flow directly or indirectly into TNWs.  In-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.   |
| 1. TNWs and Adja  TNWs: Wetlands adj Reserved for Sect 3. Non-RPWs tha Non-TNW/nor with a TNW, a Length (Linear Reserved for Sec  | Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres  cion III D 2 (RPWs):  act flow directly or indirectly into TNWs.  an-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  acres: Acres:  |
| 1. TNWs and Adja  TNWs: Wetlands adj Reserved for Sect 3. Non-RPWs tha Non-TNW/nor with a TNW, a Length (Linear Reserved for Sec Reserved for Sec   | Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres  acent to |
| 1. TNWs and Adja  TNWs: Wetlands adj Reserved for Sect 3. Non-RPWs tha Non-TNW/nor with a TNW, a Length (Linear Reserved for Sect Reserved for Sect 6. Wetlands adja  Wetland adja                                    | Linear Feet Width (ft), Or, Acres facent to TNWs: Acres from III D 2 (RPWs):  It flow directly or indirectly into TNWs.  In-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus and is therfore jurisdictional.  If Feet): Width (feet): Acres:  Ition III D 4 (Wetlands directly abutting RPWs):  Ition III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |
| 1. TNWs and Adja  TNWs:  Wetlands adj Reserved for Sect 3. Non-RPWs tha  Non-TNW/nor with a TNW, a Length (Linear Reserved for Sect Reserved for Sect 6. Wetlands adja has a significat                               | Linear Feet Width (ft), Or, Acres facent to TNWs: Acres from III D 2 (RPWs):  It flow directly or indirectly into TNWs.  In-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus and is therfore jurisdictional.  In Feet): Width (feet): Acres:  Ittion III D 4 (Wetlands directly abutting RPWs):  Ittion III D 5 (Wetlands adjacent to but not directly abutting RPWs):  In Greent to non-RPWs that flow directly or indirectly into TNWs.  In Feet (In III D 5) (Wetlands adjacent to but not directly abutting RPWs):  In Feet (In III D 5) (Wetlands adjacent to but not directly abutting RPWs):  In Feet (In III D 5) (Wetlands adjacent to but not directly abutting RPWs):  In Feet (In III D 5) (Wetlands adjacent to but not directly abutting RPWs):  In Feet (In III D 5) (Wetlands adjacent to but not directly abutting RPWs):  In Feet (In III D 5) (Wetlands adjacent to but not directly abutting RPWs):  In Feet (In III D 5) (Wetlands adjacent to but not directly abutting RPWs):  In Feet (In III D 5) (Wetlands adjacent to but not directly abutting RPWs):  In Feet (In III D 5) (Wetlands adjacent to but not directly abutting RPWs):  In Feet (In III D 5) (Wetlands adjacent to but not directly abutting RPWs):  In Feet (In III D 5) (Wetlands adjacent to but not directly abutting RPWs):  In Feet (In III D 5) (Wetlands adjacent to but not directly into TNWs.  |
| 1. TNWs and Adja  TNWs:  Wetlands adj Reserved for Sect 3. Non-RPWs tha  Non-TNW/nor with a TNW, a Length (Linear Reserved for Sect Reserved for Sect 6. Wetlands adja has a significat Estimated size                | Linear Feet Width (ft), Or, Acres facent to TNWs: Acres fion III D 2 (RPWs):  It flow directly or indirectly into TNWs.  In-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus and is therfore jurisdictional.  If Feet): Width (feet): Acres:  Ition III D 4 (Wetlands directly abutting RPWs):  Ition III D 5 (Wetlands adjacent to but not directly abutting RPWs):  Indicent to non-RPWs that flow directly or indirectly into TNWs.  Indicent to non-RPWs which, in combination with the tributary and other adjacent wetlands, and nexus with the TNW.  |
| 1. TNWs and Adja  TNWs:  Wetlands adj Reserved for Sect 3. Non-RPWs tha  Non-TNW/nor with a TNW, a Length (Linear Reserved for Sect Reserved for Sect 6. Wetlands adja has a significat Estimated size 7. Impoundment | Linear Feet Width (ft), Or, Acres  Jacent to TNWs: Acres  Jacent to Mill D 2 (RPWs):  Jacent to Mill D 4 (Metlands directly abutting RPWs):  Jacent to non-RPWs that flow directly or indirectly into TNWs.  Jacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, and nexus with the TNW.  Jacent to of jurisdictional wetland (in acres):   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 15F                 |   |                  |                   |                 |
|---------------------------------|---|------------------|-------------------|-----------------|
|                                 | L above, an analysis of this e          | hemeral drain    | age determined th | at it did not   |
| possess a significant nexus     | with the nearest TNW.                   |                  |                   |                 |
| Explain finding of Other:       |   |                  |                   |                 |
| ✓ Non-wetland waters            | 247.18 linear feet (                    | t), 7.81         | width (ft)        |                 |
| $\square$ Other waters          | acres                                   |                  |                   |                 |
| $\square$ Wetlands              | acres                                   |                  |                   |                 |
| SECTION IV: DATA SOURCES        |   |                  |                   |                 |
|                                 | at Submitted by Applicant,              | Consultant: V    | /estLand Resource | es. Inc.        |
|                                 | Submitted on behalf of Appli            |                  |                   | 7               |
| ☐ Office Concurs with           | • |                  |                   |                 |
| ☐ Office Does Not Co            | cur with delineation                    |                  |                   |                 |
| ☐ Data Sheets Prepared I        | y the Corps                             |                  |                   |                 |
| ☐ Corps Navigable Water         | Study                                   |                  |                   |                 |
| ☐ US Geological Survey F        | ydrologic Atlas                         |                  |                   |                 |
| USGS NHD Data                   |   |                  |                   |                 |
| $\square$ USGS 8 and 12 digi    | HUC Map                                 |                  |                   |                 |
| ✓ US Geological Survey N        | lap(s) Scale and Quad Nam               | 2:               |                   |                 |
| Silver Reef Mounta              | ins SE, North Komelik, and S            | nta Rosa Mour    | ntains NW 7.5-Min | ute Quadrangles |
| ☐ USDA Nat'l Res Conser         | ration Service Soil Survey (            | itation:         |                   |                 |
| ☐ National Wetlands Inve        | •                                       |                  |                   |                 |
| ☐ State/Local Wetland In        | ·                                       |                  |                   |                 |
| ☐ FEMA/FIR Maps                 |   |                  |                   |                 |
| ☐ 100-year Floodplain El        | vation is:                              | (Nationa         | Geodetic Vertical | Datum of 1929)  |
| Aerial Photographs (I           | lame and Date): BING, Micr              | osoft Virtual Ea | rth 2008          |                 |
| ✓ Other Photographs (I          | lame and Date): Ground Ph               | otos; May 2012   |                   |                 |
| ☐ Previous Determinatio         | ns File No. and Date of Res             | onse Letter:     |                   |                 |
| $\square$ Applicable/Supporting | Case Law Citation:                      |                  |                   |                 |
| $\square$ Applicable/Supporting | Scientific Literature Citation          | n:               |                   |                 |
| Other Information, Ple          | ise Specify:                            |                  |                   |                 |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION  |                         |
|--|-------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                         |
| B. District Office and File No: Los Angeles District, File No. Pending   |                         |
| C. Project Location and Background Information: Drainage Feature 16  |                         |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties   | , Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                         |
| Name of nearest waterbody: Unnamed Wash 16   |                         |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam  |                         |
| HUC Code: 15050306   |                         |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                         |
| D. Review Performed for Site Evaluation:   |                         |
| Office Determination. Date:  |                         |
| Field Determination. Date: 05/2012   |                         |
|  |                         |
| SECTION II: SUMMARY OF FINDINGS  |                         |
| A. RHA Section 10 Determination of Jurisdiction  There are No "paying blowstors of the U.S." within BUA jurisdiction in the review area.   |                         |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.  |                         |
| B. CWA Section 404 Determination of Jurisdiction   |                         |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.  |                         |
| 1. Waters of the US:   |                         |
| Linear Feet Width (ft) and/or Acres  |                         |
| Limits of Jurisdiction based on:   |                         |
| 2. Non-Regulated Waters/Wetlands:  ✓ Potentially jurisdictional waters and/or wetlands were assessed and determined no   | t to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drain considered jurisdictional if it possessed a significant nexus with a downstream TNW not possess a significant nexus with the downstream TNW. |                         |
| SECTION III: CWA ANALYSIS  |                         |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                         |
| 1. Identified TNW:   |                         |
| Rationale for TNW determination:   |                         |
| 2. Dationale for any distinct that any wetlends proceed one lieding and lied   |                         |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                         |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                         |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                       |
| Drainage Area (sq mi): 0.00455 River Miles from tributary to TNW:  |                         |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW: Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW  |                         |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW Aerial Miles from tributary to RPW:   |                         |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                         |

Feature ID: 16

| Identify flow route to   |                           |                     |                                    |              |               |     |           |   |  |
|--|---------------------------|---------------------|------------------------------------|--------------|---------------|-----|-----------|---|--|
| Unnamed drainages of<br>suggests the most lik<br>River.                      |                           | •                   |                                    | •            |               | •   |           |   |  |
| Tributary is: Natural  |                           | Explain:            |                                    |              |               |     |           |   |  |
| Average Width (ft):  | 9.56                      |                     |                                    |              |               |     |           |   |  |
| Average Depth (ft):  | 1                         |                     |                                    |              |               |     |           |   |  |
|  | 2.4                       |                     |                                    |              |               |     |           |   |  |
|  |                           | compositio          | on (check al                       | l that apply | ·):           |     |           |   |  |
| Average Side Slopes:  Primary tributary sub  Silts Sands                     | ostrate o                 | Cobbles             | ☐ Bedro                            |              | r):<br>Gravel | □v  | egetation | l |  |
| Primary tributary sub  ☑ Silts ☐ Sands                                       | ostrate o                 | •                   | ☐ Bedro                            |              | -             | □v  | egetation |   |  |
| Primary tributary sub  ☑ Silts ☐ Sands                                       | ostrate o                 | Cobbles<br>Other, E | ☐ Bedro                            |              | -             | □ v | egetation |   |  |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N  Fributary Condition/S | ostrate o  Muck Stability | Cobbles Other, E    | ☐ Bedro                            |              | Gravel        | □ v | egetation |   |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                        | ostrate of Stability      | Cobbles Other, E    | Bedro Explain:  Stable s. Explain: | ock 🗹 G      | Gravel        | □ V | egetation |   |  |

| (c) Flow:                  |                       |                                    |   |               |                    |  |
|----------------------------|-----------------------|------------------------------------|---|---------------|--------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average                            | Average Flow Events per year: 2-5         |               |                    |  |
| Describe Flow Regime:      | Ephemeral             | Other Inf                          | Other Information on Duration and Volume: |               |                    |  |
| Surface Flow is:           | Confined              | Characte                           | ristics:                                  |               |                    |  |
| Subsurface Flow:           | No                    | Explain:                           |   |               |                    |  |
| Tributary Has:             |                       |                                    |   |               |                    |  |
|                            |                       |                                    |   |               |                    |  |
| ✓ OHWM: OHWM Inc           | dicators:             |                                    |   |               |                    |  |
|                            | impressed on the bank | $\square$ $\lor$                   | egetation m                               | atted down,   | bent or absent     |  |
| Changes in soil changes    |                       | eaf litter dist                    | -   |               |                    |  |
| ☐ Shelving                 |                       | □ P                                | resence of li                             | tter and deb  | ris                |  |
| ☐ Sediment depositi        | on                    | <b>✓</b> [                         | estruction o                              | f terrestrial | vegetation         |  |
| Sediment sorting           |                       | ☐ Abrupt change in plant community |   |               |                    |  |
| ☐ Scour                    |                       |                                    | ∕Iultiple obse                            | rved or pred  | licted flow events |  |
| ☐ Presence of wrack        | line                  | □ <b>v</b>                         | Vater stainin                             | g             |                    |  |
| Other (list):              |                       |                                    |   |               |                    |  |
| ☐ Discontinuous? Ex        | xplain:               |                                    |   |               |                    |  |
| (iii) Chemical Characteris | stics:                |                                    |   |               |                    |  |
| •                          |                       |                                    |   |               |                    |  |
| Characterize Tributa       |                       |                                    |   |               |                    |  |
| Identify Specific Poll     | utants, if known:     |                                    |   |               |                    |  |
|                            |                       |                                    |   |               |                    |  |
|                            |                       |                                    |   |               |                    |  |
|                            |                       |                                    |   |               |                    |  |
|                            |                       |                                    |   |               |                    |  |

| Feature ID: 16  |            |
|---|------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |            |
| Riparian Corridor Characteristics:  |            |
| ☐ Wetland Fringe Characteristics:   |            |
| Habitat for:  |            |
| ☐ Federally Listed Species Explain:   |            |
| ☐ Fish/Spawn Areas Explain:   |            |
| ☐ Other environmentally -sensitive species Explain:   |            |
| ☐ Aquatic/Wildlife diversity Explain:   |            |
| . Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly i  | nto TNIM   |
| Physical Characteristics:   | IILO TINVV |
| Wetland Size (ac): Wetland Type, Explain:   |            |
| Wetland Quality, Explain:   |            |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |            |
| Wetland Flow is: Explain:   |            |
| Surface Flow is: Characteristics:   |            |
| Subsurface Flow: Explain Findings:  |            |
| <ul> <li>□ Wetland Directly Abutting Non-TNW</li> <li>□ Wetland Not Directly Abutting Non-TNW</li> <li>□ Discrete wetland hydrologic connection Explain:</li> <li>□ Ecological connection Explain:</li> <li>□ Separated by berm/barrier Explain:</li> <li>Project Wetlands: River Miles from TNW:</li> <li>Project Wetlands: Aerial Miles from TNW:</li> <li>Flow is From:</li> <li>Approximate Location of Wetland within Floodplain:</li> </ul> |            |
| ) Chemical Characteristics:   |            |
| Characterize Wetland System:  |            |
| i) Biological Characteristics. Wetland supports (check all that apply):   |            |
| ☐ Riparian Buffer Explain:  |            |
| ☐ Vegetation type/percent cover. Explain:   |            |
| Habitat for:  |            |
| ☐ Federally Listed Species Explain:   |            |
| ☐ Fish/Spawn Areas Explain:   |            |
| ☐ Other environmentally-sensitive species Explain:  |            |
| ☐ Aquatic/Wildlife Diversity Explain:   |            |
| Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |            |
|   |            |
| All wetland(s) considered in cumulative analysis:   |            |
| All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:  |            |

| C. SIGNIFICANT NEXUS DETERMINATION  |  |                           |
|---|--|---------------------------|
| 1. Significant nexus findings for non-RPW that has no adjainto TNW. Explain:  | acent wetlands and flows directly or indirect  | tly                       |
| This unnamed ephemeral drainage is located more than 10 between Powers Butte and Gillespie Dam. An analysis of podischarges, in combination with the geomorphology of the downstream manmade impoundment (Tat Momolikot Dampossibility of a hydrologic connection between this drainage critical habitats were identified within the Analysis Area. And does not provide lifecycle support functions, nutrients, or of drainage does not have more than a speculative or insubst biological integrity of the TNW. Therefore, this unnamed enexus with the TNW reach of the Gila River between Power | eak yearly discharges and potential flood<br>Analysis Area, the presence of a significant<br>m), and the distance to the TNW, suggests that<br>ge and the TNW is tenuous. No pollutants or<br>dditionally, this unnamed ephemeral drainag<br>organic carbon to species within the TNW. The<br>cantial effect on the physical, chemical, and/or<br>phemeral drainage does not possess a signifi | at the<br>se<br>nis<br>or |
| 2. Significant nexus findings for non-RPW and its adjacent or indirectly into TNW. Explain:   | t wetlands, where the non-RPW flows direct   | tly                       |
| 3. Significant nexus findings for wetlands adjacent to an R Explain:  | RPW but that do not directly abut the RPW.   |                           |
| . DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SU   | IBJECT WATERS/WETLANDS ARE   |                           |
| 1. TNWs and Adjacent Wetlands   |  |                           |
| <ul><li>☐ TNWs: Linear Feet</li><li>☐ Wetlands adjacent to TNWs: Acres</li></ul>  | Vidth (ft), Or, Acres  |                           |
| Reserved for Section III D 2 (RPWs):  |  |                           |
| 3. Non-RPWs that flow directly or indirectly into TNWs.   |  |                           |
|   |  | us                        |
| <ul> <li>□ Non-TNW/non-RPW waterbody that flows directly or in with a TNW, and is therfore jurisdictional.</li> <li>Length (Linear Feet): Width (feet):</li> </ul>  | Acres:   |                           |
| ☐ Non-TNW/non-RPW waterbody that flows directly or in with a TNW, and is therfore jurisdictional.   | Acres:   |                           |
| <ul> <li>□ Non-TNW/non-RPW waterbody that flows directly or in with a TNW, and is therfore jurisdictional.</li> <li>Length (Linear Feet): Width (feet):</li> </ul>  | Acres:   |                           |
| <ul> <li>□ Non-TNW/non-RPW waterbody that flows directly or in with a TNW, and is therfore jurisdictional.</li> <li>Length (Linear Feet): Width (feet):</li> <li>Reserved for Section III D 4 (Wetlands directly abutting RF</li> </ul>   | Acres: PWs): directly abutting RPWs):  |                           |
| <ul> <li>□ Non-TNW/non-RPW waterbody that flows directly or in with a TNW, and is therfore jurisdictional.</li> <li>Length (Linear Feet): Width (feet):</li> <li>Reserved for Section III D 4 (Wetlands directly abutting RF Reserved for Section III D 5 (Wetlands adjacent to but not</li> </ul>  | Acres: PWs): directly abutting RPWs): Indirectly into TNWs.  |                           |
| <ul> <li>Non-TNW/non-RPW waterbody that flows directly or in with a TNW, and is therfore jurisdictional.         Length (Linear Feet): Width (feet):         Reserved for Section III D 4 (Wetlands directly abutting RF Reserved for Section III D 5 (Wetlands adjacent to but not 6. Wetlands adjacent to non-RPWs that flow directly or i Wetland adjacent to non-RPWs which, in combination</li> </ul>  | Acres: PWs): directly abutting RPWs): Indirectly into TNWs.  |                           |
| <ul> <li>Non-TNW/non-RPW waterbody that flows directly or in with a TNW, and is therfore jurisdictional.         Length (Linear Feet): Width (feet):         Reserved for Section III D 4 (Wetlands directly abutting RF Reserved for Section III D 5 (Wetlands adjacent to but not 6. Wetlands adjacent to non-RPWs that flow directly or i Wetland adjacent to non-RPWs which, in combination has a significant nexus with the TNW.</li> </ul>  | Acres: PWs): directly abutting RPWs): Indirectly into TNWs.  |                           |
| <ul> <li>Non-TNW/non-RPW waterbody that flows directly or in with a TNW, and is therfore jurisdictional.         Length (Linear Feet): Width (feet):         Reserved for Section III D 4 (Wetlands directly abutting RPR Reserved for Section III D 5 (Wetlands adjacent to but not 6. Wetlands adjacent to non-RPWs that flow directly or i Wetland adjacent to non-RPWs which, in combination has a significant nexus with the TNW.         Estimated size of jurisdictional wetland (in acres):</li> </ul>  | Acres: PWs): directly abutting RPWs): Indirectly into TNWs.  |                           |
| <ul> <li>Non-TNW/non-RPW waterbody that flows directly or in with a TNW, and is therfore jurisdictional.         Length (Linear Feet): Width (feet):         Reserved for Section III D 4 (Wetlands directly abutting RF Reserved for Section III D 5 (Wetlands adjacent to but not 6. Wetlands adjacent to non-RPWs that flow directly or i Wetland adjacent to non-RPWs which, in combination has a significant nexus with the TNW.         Estimated size of jurisdictional wetland (in acres):         7. Impoundments of jurisdictional waters.     </li> </ul>                                | Acres:  PWs):  directly abutting RPWs):  indirectly into TNWs.  with the tributary and other adjacent wetlar   | nds,                      |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 16   |  |
|--|--|
| As described in Section 3C possess a significant nexus   | 1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW.                                 |
| Explain finding of Other:  |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 13267.71 linear feet (ft), 9.56 width (ft) acres acres   |
| SECTION IV: DATA SOURCES   |  |
| ✓ Data Sheets Prepared/ ☐ Office Concurs with  | lat Submitted by Applicant/Consultant: WestLand Resources, Inc. Submitted on behalf of Applicant delineation ncur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Water</li> <li>□ US Geological Survey For USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas  |
| ✓ US Geological Survey N   | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                             |
| ☐ USDA Nat'l Res Conser  | vation Service Soil Survey Citation:   |
| <ul><li>□ National Wetlands Invo</li><li>□ State/Local Wetland In</li><li>□ FEMA/FIR Maps</li></ul>  | entory Maps Cite Map Name:   |
| ☐ 100-year Floodplain El   | evation is: (National Geodetic Vertical Datum of 1929)   |
|  | Name and Date): BING, Microsoft Virtual Earth 2008   |
| ✓ Other Photographs (  | Name and Date): Ground Photos; May 2012  |
| ☐ Previous Determinatio  | ns File No. and Date of Response Letter:   |
| $\square$ Applicable/Supporting  |  |
| $\square$ Applicable/Supporting  |  |
| Other Information, Ple   | ase Specify:   |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | 1ATION             |                     |                                     |                     |            |
|---|--------------------|---------------------|-------------------------------------|---------------------|------------|
| A. Report Completion Date for App   | roved Jurisdiction | nal Determinatio    | n: 07/30/201                        | 2                   |            |
| B. District Office and File No: Los   | Angeles District,  | File No. Pending    |                                     |                     |            |
| C. Project Location and Background  | d Information:     | Drainage Feature    | 16A                                 |                     |            |
| City, County, State Sif Oidak Dis   | strict, Tohono O'  | odham Nation, Pi    | ma and Pinal Co                     | unties, Arizona     |            |
| Center coordinates of site: Lat.  | 32.5073            | Long111.9           | 100                                 |                     |            |
| Name of nearest waterbody: Un   | named Wash 16      | Α                   |                                     |                     |            |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River be   | etween Powers Bu    | itte and Gillespi                   | e Dam               |            |
| ✓ Map/Diagram of potential juris  | dictional area is  | available on reque  | est                                 |                     |            |
| D. Review Performed for Site Evalu  | ation:             |                     |                                     |                     |            |
| Office Determination. Date:   |                    |                     |                                     |                     |            |
| Field Determination. Date: 05/  | 2012               |                     |                                     |                     |            |
| SECTION II: SUMMARY OF FINDIN   | GS                 |                     |                                     |                     |            |
| A. RHA Section 10 Determination   |                    |                     |                                     |                     |            |
| There Are No "navigable waters  |                    | hin RHA jurisdictio | on in the review                    | area.               |            |
| B. CWA Section 404 Determination  | on of Jurisdiction |                     |                                     |                     |            |
| There Are No "waters of the   | ne U.S." within C  | WA jurisdiction in  | the review area                     |                     |            |
| 1. Waters of the US:  |                    |                     |                                     |                     |            |
| Linear Feet   | ١                  | Vidth (ft) and/or   | A                                   | cres                |            |
| Limits of Jurisdiction based on:  |                    |                     |                                     |                     |            |
| 2. Non-Regulated Waters/Wet   | lands:             |                     |                                     |                     |            |
| ✓ Potentially jurisdictional was  | iters and/or wet   | lands were assess   | ed and determin                     | ned not to be juris | dictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a si  | gnificant nexus wi  | -                                   | •                   | •          |
| SECTION III: CWA ANALYSIS   |                    |                     |                                     |                     |            |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs        |                     |                                     |                     |            |
| 1. Identified TNW:  |                    |                     |                                     |                     |            |
| Rationale for TNW determinate   | tion:              |                     |                                     |                     |            |
| 2. Rationale for conclusion tha   | t any wetlands p   | oresent are "adjac  | ent":                               |                     |            |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY AN     | ID ITS ADJACENT     | WETLANDS                            |                     |            |
| TNW Watershed Size (sq mi):   | 49650              | Tributaries flo     |                                     | 4                   |            |
| Drainage Area (sq mi):  | 0.00050            |                     | om tributary to                     | -                   | ore)       |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 8.5<br>0           |                     | om tributary to<br>rom tributary to |                     | ore)       |
| Average Alliluai Siluwiaii (III).   | J                  |                     | rom tributary to                    | -                   | OI E J     |
| ☐ Project waters cross or serv  | ve as state bound  |                     | ,                                   |                     |            |

Feature ID: 16A

| _                              |                              | •                   | s Area are ultimately tributary to the Santa Rosa Wash. Topography<br>Itial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|--------------------------------|------------------------------|---------------------|--|
| Tributary is: Natural          |                              | Explain:            |  |
| Average Width (ft):            | 5.78                         |                     |  |
| Average Depth (ft):            | 1                            |                     |  |
| Average Side Slopes:           | 2:1                          |                     |  |
|                                |                              |                     | Deducate Consul Discretifica   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ N | s □<br>Muck                  | Cobbles<br>Other, E | ☐ Bedrock ☑ Gravel ☐ Vegetation  Explain:  |
| ☐ Concrete ☐ N                 | Лиск                         | Other, E            | ŭ  |
| Concrete                       | Muck<br>Stability            | Other, E            | Explain:  Stable   |
| _                              | Muck<br>Stability<br>le/Pool | Other, E            | Stable s. Explain: Not Present   |

(c) Flow:

| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Eve    | ents per ye | ear:                | 2-5               |   |
|----------------------------|-----------------------|------------------|-------------|-------------|---------------------|-------------------|---|
| Describe Flow Regime:      | Ephemeral             | Other Inf        | ormatio     | n on Dura   | tion an             | d Volume:         |   |
| Surface Flow is:           | Confined              | Characte         | ristics:    |             |                     |                   |   |
| Subsurface Flow:           | No                    | Explain:         |             |             |                     |                   |   |
| Tributary Has:             |                       |                  |             |             |                     |                   |   |
| ☐ Bed and Banks            |                       |                  |             |             |                     |                   |   |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |             |             |                     |                   |   |
| ☐ Clear, natural line      | impressed on the bank |                  | /egetati    | on matted   | down,               | bent or absent    |   |
| Changes in soil cha        | aracter               | □ L              | eaf litte.  | r disturbe  | d or wa             | shed away         |   |
| ☐ Shelving                 | □ P                   | resence          | of litter a | nd deb      | ris                 |                   |   |
| ☐ Sediment deposition      | ✓ [                   | Destruct         | ion of terr | estrial v   | egetation egetation |                   |   |
| Sediment sorting           |                       |                  | Abrupt c    | hange in p  | lant co             | mmunity           |   |
| ☐ Scour                    |                       |                  | Multiple    | observed    | or pred             | icted flow events | ı |
| ☐ Presence of wrack        | line                  | $\square$ $\vee$ | Vater st    | aining      |                     |                   |   |
| Other (list):              |                       |                  |             |             |                     |                   |   |
| ☐ Discontinuous? Ex        | kplain:               |                  |             |             |                     |                   |   |
| (iii) Chemical Characteris | tice                  |                  |             |             |                     |                   |   |
|                            |                       |                  |             |             |                     |                   |   |
| Characterize Tributa       |                       |                  |             |             |                     |                   |   |
| Identify Specific Poll     | utants, if known:     |                  |             |             |                     |                   |   |
|                            |                       |                  |             |             |                     |                   |   |
|                            |                       |                  |             |             |                     |                   |   |
|                            |                       |                  |             |             |                     |                   |   |
|                            |                       |                  |             |             |                     |                   |   |

| Feature ID: 16A  |            |
|--|------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |            |
| Riparian Corridor Characteristics:   |            |
| ☐ Wetland Fringe Characteristics:  |            |
| Habitat for:   |            |
| Federally Listed Species Explain:  |            |
| ☐ Fish/Spawn Areas Explain:  |            |
| Other environmentally -sensitive species Explain:  |            |
| ☐ Aquatic/Wildlife diversity Explain:  |            |
| <ol> <li>Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW</li> <li>(i) Physical Characteristics:</li> </ol> |            |
| Wetland Size (ac): Wetland Type, Explain:  |            |
| Wetland Quality, Explain:  |            |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |            |
| Wetland Flow is: Explain:  |            |
| Surface Flow is: Characteristics:  |            |
| Subsurface Flow: Explain Findings:   |            |
| ☐ Wetland Directly Abutting Non-TNW  |            |
| ☐ Wetland Not Directly Abutting Non-TNW  |            |
| ☐ Discrete wetland hydrologic connection Explain:  |            |
| ☐ Ecologcal connection Explain:  |            |
| ☐ Separated by berm/barrier Explain:   |            |
| Project Wetlands: River Miles from TNW:  |            |
| Project Wetlands: Aerial Miles from TNW:   |            |
| Flow is From:  |            |
| Approximate Location of Wetland within Floodplain:   |            |
| (ii) Chemical Characteristics:   |            |
| Characterize Wetland System:   |            |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |            |
| ☐ Riparian Buffer Explain:   |            |
| ☐ Vegetation type/percent cover. Explain:  |            |
| Habitat for:   |            |
| ☐ Federally Listed Species Explain:  |            |
| ☐ Fish/Spawn Areas Explain:  |            |
| Other environmentally-sensitive species Explain:   |            |
| ☐ Aquatic/Wildlife Diversity Explain:  |            |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |            |
| All wetland(s) considered in cumulative analysis:  |            |
| Wetland acres in total being considered in cumulative analysis:  |            |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fu   | unctions): |
|  |            |
|  |            |

| . SIGNIFICANT NEXUS DETERMINA  | TION  |
|--|---|
| 1. Significant nexus findings for no into TNW. Explain:  | on-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gilles, discharges, in combination with the downstream manmade impounding possibility of a hydrologic connect critical habitats were identified with does not provide lifecycle support drainage does not have more than biological integrity of the TNW. The | e is located more than 100 river miles from the nearest TNW, the Gila River ie Dam. An analysis of peak yearly discharges and potential flood e geomorphology of the Analysis Area, the presence of a significant nent (Tat Momolikot Dam), and the distance to the TNW, suggests that the ion between this drainage and the TNW is tenuous. No pollutants or thin the Analysis Area. Additionally, this unnamed ephemeral drainage functions, nutrients, or organic carbon to species within the TNW. This is a speculative or insubstantial effect on the physical, chemical, and/or erefore, this unnamed ephemeral drainage does not possess a significant Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for n or indirectly into TNW. Explain:   | on-RPW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for w Explain:   | etlands adjacent to an RPW but that do not directly abut the RPW.   |
| ☐ TNWs: Linear I ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs  | Acres   |
| 3. Non-RPWs that flow directly o   |   |
| <u> </u>   | y that flows directly or indirectly into a TNW and has a signficant nexus   |
| Reserved for Section III D 4 (Wetl   |   |
| ·  | ands adjacent to but not directly abutting RPWs):   |
| ·  | Vs that flow directly or indirectly into TNWs.  |
| ☐ Wetland adjacent to non-RPV has a significant nexus with the Estimated size of jurisdictional  |   |
| 7. Impoundments of jurisdiction  | •   |
| Demonstration of Jurisdiction  |   |
| . ISOLATED WATERS, INCLUDING IS  | SOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  |
| WHICH COULD AFFECT INTERSTATE  |   |
| Supporting rationale: Length (linear feet):  | Acres:  |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Featu  | re ID:                                     | 16A  |   |  |   |                            |               |                 |      |
|--------|--|--|---|--|---|----------------------------|---------------|-----------------|------|
|        |  |  |   | 1 above, an analy<br>s with the nearest  | •   | neral draina               | ge determined | that it did not |      |
| Exp    | lain fi                                    | nding of   | Other:  |  |   |                            |               |                 |      |
|        |  | vetland w<br>waters<br>nds   | aters   |  | linear feet (ft),<br>acres<br>acres       | 5.78                       | width (ft)    |                 |      |
| SECTIO | N IV:                                      | DATA SO  | URCES   |  |   |                            |               |                 |      |
|        | Data S Of Of Of Data S Corps US Ge US US   | Sheets Prifice Conc<br>fice Does<br>Sheets Prinavigable<br>Pological S<br>SGS NHD<br>SGS 8 and | epared,<br>urs with<br>Not Co<br>epared<br>e Wate<br>Survey H<br>Data<br>d 12 dig | Plat Submitted by Submitted on below the delineation of the corps of t | half of Applicant<br>tion<br>d Quad Name: |                            |               |                 | gles |
|        | Natio<br>State/<br>FEMA<br>100-y<br>Aerial | nal Wetla<br>/Local We<br>./FIR Mear Flood<br>Photogra   | nds Invetland Ir<br>Iaps<br>Iplain El<br>Iphs (                                   | evation is: Name and Date):  | Cite Map Name: BING, Microsof             | (National<br>t Virtual Ear |               | cal Datum of 19 | 129) |
| _      |  | _  |   | Name and Date):  |   |                            |               |                 |      |
|        |  |  |   | ns File No. and  |   | e Letter:                  |               |                 |      |
|        |  | -  |   | Case Law Citat   |   |                            |               |                 |      |

Other Information, Please Specify:

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM   | <u>MATION</u>   |   |             |                       |
|--|-----------------|---|-------------|-----------------------|
| A. Report Completion Date for App  | oroved Jurisdic | tional Determination: 07/30/2   | 012         |                       |
| B. District Office and File No: Los  |                 |   |             |                       |
| C. Project Location and Background   | d Information:  | Drainage Feature 16B  |             |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono  | O'odham Nation, Pima and Pinal  | Counties, A | Arizona               |
| Center coordinates of site: Lat.   | 32.5073         | Long111.9100  |             |                       |
| Name of nearest waterbody: Un  | named Wash 1    | 16B   |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | W: Gila River   | between Powers Butte and Gilles   | spie Dam    |                       |
| ✓ Map/Diagram of potential juris   | dictional area  | is available on request   |             |                       |
| D. Review Performed for Site Evalu   |                 | ·   |             |                       |
| Office Determination. Date:  | idtion.         |   |             |                       |
| Field Determination. Date: 05/2  | 2012            |   |             |                       |
|  |                 |   |             |                       |
| SECTION II: SUMMARY OF FINDING   |                 |   |             |                       |
| A. RHA Section 10 Determination  |                 |   |             |                       |
| _  |                 | vithin RHA jurisdiction in the revi   | ew area.    |                       |
| B. CWA Section 404 Determination   |                 |   |             |                       |
|  | ie U.S. Within  | CWA jurisdiction in the review a  | rea.        |                       |
| 1. Waters of the US:   |                 | we lil (6) 1/   |             |                       |
| Linear Feet  |                 | Width (ft) and/or   | Acres       |                       |
| Limits of Jurisdiction based on:   |                 |   |             |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional was</li> </ol> |                 | etlands were assessed and deter   | mined not   | to be jurisdictional: |
|  | it possessed a  | lify as a TNW or RPW. Therefore, significant nexus with a downstrodownstream TNW. |             | •                     |
| SECTION III: CWA ANALYSIS  |                 |   |             |                       |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs     |   |             |                       |
| 1. Identified TNW:   |                 |   |             |                       |
| Rationale for TNW determinat   | tion:           |   |             |                       |
| 2. Rationale for conclusion tha  | nt any wetland  | s present are "adjacent":   |             |                       |
| B. CHARACTERISTICS OF NON-TN   | A/ TDIDLITA DV  | AND ITS ADJACENT WET ANDS   |             |                       |
| TNW Watershed Size (sq mi):  | 49650           | Tributaries flow to TNW:  |             | 4                     |
| Drainage Area (sq mi):   | 0.00027         | River Miles from tributary  | to TNW:     | 30 (or more)          |
| Average Annual Rainfall (in):  | 8.5             | River Miles from tributary  |             | ·                     |
| Average Annual Snowfall (in):  | 0               | Aerial Miles from tributary<br>Aerial Miles from tributary                        |             | 30 (or more)          |
| ☐ Project waters cross or serv   | ve as state bou |   |             |                       |

Feature ID: 16B

| Identify flow route to<br>Unnamed drainages                        |   | lysis Area are (                       | ultimately tributa | ry to the Santa Ros | sa Wash. Topography |
|--|---|--|--------------------|---------------------|---------------------|
| suggests the most lik<br>River.                                    |   | •                                      | •                  | •                   |                     |
| Tributary is: Natural  | Explai  | n:                                     |                    |                     |                     |
| Average Width (ft):  | 5.12  |  |                    |                     |                     |
| Average Depth (ft):  | 1   |  |                    |                     |                     |
|  |   |  |                    |                     |                     |
|  |   | sition (check al                       | ll that apply):    |                     |                     |
| Average Side Slopes:  Primary tributary sub  Sands                 | ostrate compos                                      |  |                    | ☐ Vegetation        |                     |
| Primary tributary sub  ✓ Silts □ Sands                             | ostrate compos                                      |  |                    | ☐ Vegetation        |                     |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N              | ostrate compos<br>Cobble  Muck Othe                 | es 🗆 Bedro                             |                    | ☐ Vegetation        |                     |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/S | ostrate compos  Cobble  Muck Othe  Stability. Expla | er, Explain: n: Stable                 |                    | ☐ Vegetation        |                     |
| Primary tributary sub  ✓ Silts □ Sands                             | ostrate compos  Cobble  Muck Othe  Stability. Expla | er, Explain:  n: Stable exes. Explain: | ock 🗹 Gravel       | ☐ Vegetation        |                     |

| Tributary Provides for: Ephemeral Flow Average Flow Events per year: 2-5  Describe Flow Regime: Ephemeral Other Information on Duration and Volume: Surface Flow is: Confined Characteristics: Subsurface Flow: No Explain:  Tributary Has:  | (c) Flow:                  |                   |             |            |           |           |                  |  |
|--|----------------------------|-------------------|-------------|------------|-----------|-----------|------------------|--|
| Surface Flow is:  Subsurface Flow:  No  Explain:  Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank  Changes in soil character  Sediment deposition  Sediment sorting  Abrupt change in plant community  Scour  Multiple observed or predicted flow events  Presence of wrack line  Other (list):  Discontinuous? Explain:  Characteristics:  Characterize Tributary:   | Tributary Provides for:    | Ephemeral Flow    | Average Fl  | low Event  | s per ye  | ar:       | 2-5              |  |
| Subsurface Flow:  No Explain:  Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank  Changes in soil character  Sediment deposition  Sediment sorting  Abrupt change in plant community  Scour  Multiple observed or predicted flow events  Presence of wrack line  Other (list):  Discontinuous? Explain:  Substitution of terrestrial vegetation  Mater staining  Other (list):  Discontinuous? Explain:   | Describe Flow Regime:      | Ephemeral         | Other Info  | rmation c  | n Durat   | ion and   | Volume:          |  |
| Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank Changes in soil character Sediment deposition Sediment sorting Scour Multiple observed or predicted flow events Presence of wrack line Other (list): Discontinuous? Explain:  Characterize Tributary:   | Surface Flow is:           | Confined          | Characteri  | stics:     |           |           |                  |  |
| Bed and Banks   ✔ OHWM: OHWM Indicators:   Clear, natural line impressed on the bank Vegetation matted down, bent or absent   ✔ Changes in soil character Leaf litter disturbed or washed away   Shelving Presence of litter and debris   Sediment deposition Destruction of terrestrial vegetation   ✔ Sediment sorting Abrupt change in plant community   Scour Multiple observed or predicted flow events   Presence of wrack line Water staining   Other (list): Discontinuous? Explain:    (iii) Chemical Characteristics:  Characterize Tributary:   | Subsurface Flow:           | No                | Explain:    |            |           |           |                  |  |
| ✓ OHWM: OHWM Indicators:  □ Clear, natural line impressed on the bank □ Changes in soil character □ Leaf litter disturbed or washed away □ Shelving □ Presence of litter and debris □ Sediment deposition □ Destruction of terrestrial vegetation □ Abrupt change in plant community □ Scour □ Multiple observed or predicted flow events □ Presence of wrack line □ Other (list): □ Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:   | Tributary Has:             |                   |             |            |           |           |                  |  |
| ✓ OHWM: OHWM Indicators:  □ Clear, natural line impressed on the bank □ Changes in soil character □ Leaf litter disturbed or washed away □ Shelving □ Presence of litter and debris □ Sediment deposition □ Destruction of terrestrial vegetation □ Abrupt change in plant community □ Scour □ Multiple observed or predicted flow events □ Presence of wrack line □ Other (list): □ Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:   | □ Bed and Banks            |                   |             |            |           |           |                  |  |
| <ul> <li>□ Clear, natural line impressed on the bank</li> <li>□ Changes in soil character</li> <li>□ Leaf litter disturbed or washed away</li> <li>□ Shelving</li> <li>□ Presence of litter and debris</li> <li>□ Sediment deposition</li> <li>☑ Destruction of terrestrial vegetation</li> <li>☑ Sediment sorting</li> <li>□ Abrupt change in plant community</li> <li>□ Scour</li> <li>□ Multiple observed or predicted flow events</li> <li>□ Presence of wrack line</li> <li>□ Other (list):</li> <li>□ Discontinuous? Explain:</li> </ul> (iii) Chemical Characteristics: Characterize Tributary: |                            | dicators:         |             |            |           |           |                  |  |
| <ul> <li>✓ Changes in soil character</li> <li>☐ Shelving</li> <li>☐ Presence of litter and debris</li> <li>☐ Sediment deposition</li> <li>✓ Destruction of terrestrial vegetation</li> <li>✓ Sediment sorting</li> <li>☐ Abrupt change in plant community</li> <li>☐ Scour</li> <li>☐ Multiple observed or predicted flow events</li> <li>☐ Presence of wrack line</li> <li>☐ Water staining</li> <li>☐ Other (list):</li> <li>☐ Discontinuous? Explain:</li> </ul> (iii) Chemical Characteristics: Characterize Tributary:  |                            |                   | □ Ve        | getation   | matted    | down, k   | ent or absent    |  |
| Shelving □ Presence of litter and debris   Sediment deposition ☑ Destruction of terrestrial vegetation   ☑ Sediment sorting □ Abrupt change in plant community   □ Scour □ Multiple observed or predicted flow events   □ Presence of wrack line □ Water staining   Other (list): □ Discontinuous? Explain:    (iii) Chemical Characteristics:  Characterize Tributary:  |                            | •                 |             | _          |           |           |                  |  |
| ✓ Sediment sorting   |                            |                   | ☐ Pr        | esence of  | litter ar | nd debri  | is               |  |
| Scour Multiple observed or predicted flow events Presence of wrack line Water staining Other (list): Discontinuous? Explain:  (iii) Chemical Characteristics: Characterize Tributary:  | ☐ Sediment deposition      | on                | <b>✓</b> De | estruction | of terre  | strial ve | egetation        |  |
| ☐ Presence of wrack line ☐ Water staining Other (list): ☐ Discontinuous? Explain:  (iii) Chemical Characteristics: Characterize Tributary:   | Sediment sorting           |                   | ☐ Ab        | rupt char  | nge in pl | ant con   | nmunity          |  |
| Other (list):  Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:   | ☐ Scour                    |                   | $\square$ M | ultiple ob | served o  | or predi  | cted flow events |  |
| ☐ Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:  | ☐ Presence of wrack        | line              | $\square$ W | ater stain | ing       |           |                  |  |
| (iii) Chemical Characteristics: Characterize Tributary:  | Other (list):              |                   |             |            |           |           |                  |  |
| Characterize Tributary:  | ☐ Discontinuous? Ex        | xplain:           |             |            |           |           |                  |  |
| Characterize Tributary:  | (iii) Chamical Characteris | tice:             |             |            |           |           |                  |  |
| ·  |                            |                   |             |            |           |           |                  |  |
| Identity Specific Pollutants, it known:  |                            | •                 |             |            |           |           |                  |  |
| identify Specific Foliatants, it knows:  | Identify Specific Polli    | utants, if known: |             |            |           |           |                  |  |
|  |                            |                   |             |            |           |           |                  |  |
|  |                            |                   |             |            |           |           |                  |  |
|  |                            |                   |             |            |           |           |                  |  |

| Feature ID: 16B   |   |
|---|---|
| iv) Biological Characteristi  | cs. Channel supports (check all that apply):  |
| ☐ Riparian Corridor C   | haracteristics:   |
| ☐ Wetland Fringe Cha  | aracteristics:  |
| Habitat for:  |   |
| ☐ Federally Listed Spe  | cies Explain:   |
| ☐ Fish/Spawn Areas  | Explain:  |
| ☐ Other environmenta  | ally -sensitive species Explain:  |
| ☐ Aquatic/Wildlife div  | ersity Explain:   |
| Characteristics of wetler   | and and account to man TNNA/ that flavor discounts on indiscounts into TNNA/  |
| i) Physical Characteristics:  | nds adjacent to non-TNW that flow directly or indirectly into TNW   |
| Wetland Size (ac):  | Wetland Type, Explain:  |
| Wetland Quality, Expla  | in:   |
| Project Wetlands Cross  | s or Serve as State Boundaries, Explain:  |
| Wetland Flow is:  | Explain:  |
| Surface Flow is:  | Characteristics:  |
| Subsurface Flow:  | Explain Findings:   |
| ☐ Ecologcal connect ☐ Separated by bern Project Wetlands: Rive Project Wetlands: Aeri Flow is From: | y Abutting Non-TNW hydrologic connection Explain: tion Explain: m/barrier Explain: r Miles from TNW: al Miles from TNW: of Wetland within Floodplain: |
| Characterize Wetland S  |   |
|   |   |
| -   | cs. Wetland supports (check all that apply):  |
| ☐ Riparian Buffer Ex  | ercent cover. Explain:  |
| Habitat for:  | cicent cover. Expiani.  |
| Federally Listed S  | pecies Explain:   |
| ☐ Fish/Spawn Areas  |   |
| • •   | ntally-sensitive species Explain:   |
| ☐ Aquatic/Wildlife I  | ·   |
| , ,   |   |
|   | tlands adjacent to the non-TNW tributary (if any)   |
| • •   | red in cumulative analysis:   |
|   | being considered in cumulative analysis:  |
| Describe each wetland   | (directly abuts tributary?; size in acres; overall biological, chemical or physical functions   |

| . SIGNIFICANT NEXUS DETERMINA  | TION  |
|--|---|
| 1. Significant nexus findings for neinto TNW. Explain:   | on-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gillesp<br>discharges, in combination with the<br>downstream manmade impounded<br>possibility of a hydrologic connect<br>critical habitats were identified with<br>does not provide lifecycle support<br>drainage does not have more than<br>biological integrity of the TNW. The | e is located more than 100 river miles from the nearest TNW, the Gila River ie Dam. An analysis of peak yearly discharges and potential flood e geomorphology of the Analysis Area, the presence of a significant nent (Tat Momolikot Dam), and the distance to the TNW, suggests that the on between this drainage and the TNW is tenuous. No pollutants or thin the Analysis Area. Additionally, this unnamed ephemeral drainage functions, nutrients, or organic carbon to species within the TNW. This a speculative or insubstantial effect on the physical, chemical, and/or erefore, this unnamed ephemeral drainage does not possess a significant Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for n or indirectly into TNW. Explain:   | on-RPW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for w Explain:   | etlands adjacent to an RPW but that do not directly abut the RPW.   |
| ☐ TNWs: Linear III D 2 (RPWs   | Acres   |
| 3. Non-RPWs that flow directly o   |   |
| ·  | y that flows directly or indirectly into a TNW and has a signficant nexus   |
| Reserved for Section III D 4 (Wetl   |   |
| •  | ands adjacent to but not directly abutting RPWs):   |
| ·  | Vs that flow directly or indirectly into TNWs.  |
| ☐ Wetland adjacent to non-RPW has a significant nexus with the Estimated size of jurisdictiona   |   |
| 7. Impoundments of jurisdiction  |   |
| Demonstration of Jurisdiction  |   |
| . ISOLATED WATERS, INCLUDING IS  | OLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   |
| VHICH COULD AFFECT INTERSTATE  |   |
| Supporting rationale: Length (linear feet):  | Acres:  |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 16B                    | -hava an analysis of this an | be an even due in one determine ad the tit did not  |  |
|------------------------------------|------------------------------|---|--|
| possess a significant nexus w      |                              | phemeral drainage determined that it did not        |  |
| Explain finding of Other:          | the nearest man.             |   |  |
| ✓ Non-wetland waters               | 1482.07 linear feet (ft      | t), 5.12 width (ft)                                 |  |
| ☐ Other waters                     | acres                        | .,, 3.12 Width (10)                                 |  |
| ☐ Wetlands                         | acres                        |   |  |
|                                    |                              |   |  |
| ECTION IV: DATA SOURCES            |                              |   |  |
| • •                                |                              | Consultant: WestLand Resources, Inc.                |  |
| Data Sheets Prepared/Su            | • •                          | ant   |  |
| Office Concurs with d              | elineation                   |   |  |
| ☐ Office Does Not Conc             | ur with delineation          |   |  |
| $\square$ Data Sheets Prepared by  | the Corps                    |   |  |
| ☐ Corps Navigable Water S          | :udy                         |   |  |
| ☐ US Geological Survey Hyd         | Irologic Atlas               |   |  |
| USGS NHD Data                      |                              |   |  |
| ☐ USGS 8 and 12 digit F            | IUC Map                      |   |  |
| ✓ US Geological Survey Ma          |                              |   |  |
|                                    |                              | e.<br>Inta Rosa Mountains NW 7.5-Minute Quadrangles |  |
| Silver Reel Mountain               | 5 SE, NOITH KOHIEHK, and Sa  | ilta nosa Modifianis MW 7.5-Minute Quadrangles      |  |
| USDA Nat'l Res Conserva            | tion Service Soil Survey Ci  | itation:  |  |
| ☐ National Wetlands Inven          | tory Maps Cite Map Nam       | ne:   |  |
| State/Local Wetland Inventor       | ntory Maps                   |   |  |
| ☐ FEMA/FIR Maps                    |                              |   |  |
| $\square$ 100-year Floodplain Elev | ation is:                    | (National Geodetic Vertical Datum of 1929)          |  |
| Aerial Photographs (Na             | me and Date): BING, Micro    | osoft Virtual Earth 2008                            |  |
| ✓ Other Photographs (Na            | me and Date): Ground Pho     | otos; May 2012                                      |  |
| ☐ Previous Determinations          | File No. and Date of Resp    | oonse Letter:                                       |  |
| ☐ Applicable/Supporting Ca         | se Law Citation:             |   |  |
| ☐ Applicable/Supporting Sc         | ientific Literature Citation | n:  |  |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | 1ATION           |                         |  |                       |
|---|------------------|-------------------------|--|-----------------------|
| A. Report Completion Date for App   | roved Jurisdict  | cional Determination:   | 07/30/2012                                 |                       |
| B. District Office and File No: Los   | Angeles Distric  | t, File No. Pending     |  |                       |
| C. Project Location and Background  | d Information:   | Drainage Feature 1      | 6C   |                       |
| City, County, State Sif Oidak Dis   | strict, Tohono ( | O'odham Nation, Pima    | and Pinal Counties,                        | Arizona               |
| Center coordinates of site: Lat.  | 32.5073          | Long111.910             | 0  |                       |
| Name of nearest waterbody: Uni  | named Wash 1     | 6C                      |  |                       |
| Name of nearest downstream TNV HUC Code: 15050306                                     | W: Gila River    | between Powers Butte    | e and Gillespie Dam                        |                       |
| ✓ Map/Diagram of potential jurise   | dictional area i | s available on request  |  |                       |
| D. Review Performed for Site Evalu  | ation:           |                         |  |                       |
| Office Determination. Date:   |                  |                         |  |                       |
| Field Determination. Date: 05/2   | 2012             |                         |  |                       |
| SECTION II: SUMMARY OF FINDING  | GS               |                         |  |                       |
| A. RHA Section 10 Determination   |                  |                         |  |                       |
| There Are No "navigable waters  | s of the U.S." w | rithin RHA jurisdiction | in the review area.                        |                       |
| B. CWA Section 404 Determination  | n of Jurisdictio | n                       |  |                       |
| There Are No "waters of the   | ne U.S." within  | CWA jurisdiction in the | e review area.                             |                       |
| 1. Waters of the US:  |                  |                         |  |                       |
| Linear Feet   |                  | Width (ft) and/or       | Acres                                      |                       |
| Limits of Jurisdiction based on:  |                  |                         |  |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                  | etlands were assessed   | and determined not                         | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne   | it possessed a   | significant nexus with  |  | -                     |
| SECTION III: CWA ANALYSIS   |                  |                         |  |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs       |                         |  |                       |
| 1. Identified TNW:  |                  |                         |  |                       |
| Rationale for TNW determinat  | ion:             |                         |  |                       |
| 2. Rationale for conclusion tha   | t any wetlands   | s present are "adjacen  | t":  |                       |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY A    | AND ITS ADJACENT WE     | TLANDS                                     |                       |
| TNW Watershed Size (sq mi):   | 49650            | Tributaries flow        |  | 4                     |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                  | 0.00215<br>8.5   |                         | n tributary to TNW:<br>n tributary to RPW: | 30 (or more)          |
| Average Annual Snowfall (in):   | 0                |                         | n tributary to TNW:                        | 30 (or more)          |
|   |                  |                         | n tributary to RPW:                        | ,                     |
| ☐ Project waters cross or serv  | e as state bou   | ndaries. Explain:       |  |                       |

Feature ID: 16C

| Identify flow route to   |  | vsis Area are u                         | ultimately tributa | rv to the Santa Ro | osa Wash. Topography |
|--|--|---|--------------------|--------------------|----------------------|
| suggests the most lik<br>River.  |  |   | •                  | •                  |                      |
| Tributary is: Natural  | Explair  | :                                       |                    |                    |                      |
| Average Width (ft):  | 8.04   |   |                    |                    |                      |
| Average Depth (ft):  | 1  |   |                    |                    |                      |
| ٠ C: ما م  | 2.4  |   |                    |                    |                      |
|  |  | tion (check al                          | l that apply):     |                    |                      |
| Average Side Slopes:  Primary tributary sub  Sands                           | ostrate composi  |   |                    | ☐ Vegetation       | ı                    |
| Primary tributary sub  ☑ Silts ☐ Sands                                       | ostrate composi  |   |                    | ☐ Vegetation       |                      |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                        | ostrate composi<br>Cobbles  Muck Other   | ☐ Bedro                                 |                    | □ Vegetation       |                      |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Fributary Condition/S | ostrate composi<br>Cobbles<br>Muck Other<br>Stability. Explain                   | Bedro                                   |                    | □ Vegetation       |                      |
| Primary tributary sub  ✓ Silts □ Sands                                       | ostrate composi<br>Cobbles<br>Muck Other<br>Stability. Explain<br>le/Pool Comple | Bedro , Explain:  Stable  Kes. Explain: | ock ☑ Gravel       | □ Vegetation       |                      |

| (c) Flow:                  |                       |                  |             |             |            |                   |
|----------------------------|-----------------------|------------------|-------------|-------------|------------|-------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Eve    | nts per y   | ear:       | 2-5               |
| Describe Flow Regime:      | Ephemeral             | Other Inf        | ormation    | n on Dura   | ation and  | d Volume:         |
| Surface Flow is:           | Confined              | Characte         | ristics:    |             |            |                   |
| Subsurface Flow:           | No                    | Explain:         |             |             |            |                   |
| Tributary Has:             |                       |                  |             |             |            |                   |
| ☐ Bed and Banks            |                       |                  |             |             |            |                   |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |             |             |            |                   |
| ☐ Clear, natural line      | impressed on the bank | $\square$ $\vee$ | egetatio    | n matte     | d down,    | bent or absent    |
| Changes in soil cha        |                       |                  | eaf litter  | disturbe    | d or wa    | shed away         |
| ☐ Shelving                 |                       | □ P              | resence     | of litter a | and debi   | ris               |
| ☐ Sediment deposition      | on                    |                  | estructio   | on of teri  | restrial v | egetation         |
| Sediment sorting           |                       |                  | brupt ch    | ange in p   | olant cor  | nmunity           |
| ☐ Scour                    |                       |                  | /lultiple o | bserved     | or pred    | icted flow events |
| ☐ Presence of wrack        | line                  | □ <b>v</b>       | Vater sta   | ining       |            |                   |
| Other (list):              |                       |                  |             |             |            |                   |
| ☐ Discontinuous? Ex        | xplain:               |                  |             |             |            |                   |
| (iii) Chemical Characteris | stics:                |                  |             |             |            |                   |
| Characterize Tributa       | ry:                   |                  |             |             |            |                   |
| Identify Specific Poll     | utants, if known:     |                  |             |             |            |                   |
| , ,                        | ,                     |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |

| Feature ID: 16C                       |   |
|---------------------------------------|---|
| (iv) Biological Characteristics. C    | hannel supports (check all that apply):   |
| Riparian Corridor Chara               | cteristics:   |
| ☐ Wetland Fringe Charact              | eristics:   |
| Habitat for:                          |   |
| ☐ Federally Listed Species            | Explain:  |
| ☐ Fish/Spawn Areas                    | Explain:  |
| $\square$ Other environmentally -     | sensitive species Explain:  |
| ☐ Aquatic/Wildlife diversit           | y Explain:  |
| 2. Characteristics of wetlands a      | adjacent to non-TNW that flow directly or indirectly into TNW   |
| (i) Physical Characteristics:         | and the second second and the second |
| Wetland Size (ac):                    | Wetland Type, Explain:  |
| Wetland Quality, Explain:             |   |
|                                       | Serve as State Boundaries, Explain:   |
| Wetland Flow is:                      | Explain:  |
| Surface Flow is:                      | Characteristics:  |
| Subsurface Flow:                      | Explain Findings:   |
| ☐ Wetland Directly Abuttir            | ng Non-TNW  |
| ☐ Wetland Not Directly Ab             |   |
| ☐ Discrete wetland hydr               |   |
| ☐ Ecologcal connection                |   |
| ☐ Separated by berm/ba                | ·   |
| Project Wetlands: River Mil           | es from TNW:  |
| Project Wetlands: Aerial M            | iles from TNW:  |
| Flow is From:                         |   |
| Approximate Location of W             | etland within Floodplain:   |
| (ii) Chemical Characteristics:        |   |
| Characterize Wetland Syste            | em:   |
|                                       |   |
|                                       | Vetland supports (check all that apply):  |
| Riparian Buffer Explain               |   |
| ☐ Vegetation type/percer Habitat for: | it cover. Explain:  |
| Federally Listed Specie               | oc Evolain  |
| ☐ Fish/Spawn Areas Ex                 |   |
| ☐ Other environmentall                |   |
| ☐ Aquatic/Wildlife Diver              |   |
| • •                                   |   |
|                                       | ds adjacent to the non-TNW tributary (if any)   |
| All wetland(s) considered in          |   |
|                                       | g considered in cumulative analysis:  |
| Describe each wetland (dire           | ectly abuts tributary?; size in acres; overall biological, chemical or physical functions):   |
|                                       |   |
|                                       |   |

| . SIGNIFICANT NEXUS DE   | TERMINATION  |
|--|--|
| 1. Significant nexus find into TNW. Explain:   | ings for non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte a<br>discharges, in combinati<br>downstream manmade i<br>possibility of a hydrologi<br>critical habitats were ide<br>does not provide lifecycl<br>drainage does not have<br>biological integrity of the                                     | al drainage is located more than 100 river miles from the nearest TNW, the Gila River and Gillespie Dam. An analysis of peak yearly discharges and potential flood on with the geomorphology of the Analysis Area, the presence of a significant impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the connection between this drainage and the TNW is tenuous. No pollutants or entified within the Analysis Area. Additionally, this unnamed ephemeral drainage is support functions, nutrients, or organic carbon to species within the TNW. This more than a speculative or insubstantial effect on the physical, chemical, and/or is TNW. Therefore, this unnamed ephemeral drainage does not possess a significant che of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus find or indirectly into TNW.  | lings for non-RPW and its adjacent wetlands, where the non-RPW flows directly Explain:   |
| 3. Significant nexus find Explain:   | lings for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| TNWs:  | Linear Feet Width (ft), Or. Acres  |
| ☐ TNWs: ☐ Wetlands adjacent t Reserved for Section III I   |  |
| ■ Wetlands adjacent t<br>Reserved for Section III I  | to TNWs: Acres   |
| ■ Wetlands adjacent to Reserved for Section III II  3. Non-RPWs that flow ■ Non-TNW/non-RPW  | to TNWs: Acres D 2 (RPWs):   |
| ■ Wetlands adjacent to Reserved for Section III II  3. Non-RPWs that flow ■ Non-TNW/non-RPW  | Acres D 2 (RPWs):  directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus herfore jurisdictional.  |
| ■ Wetlands adjacent to Reserved for Section III II  3. Non-RPWs that flow ■ Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):   | Acres D 2 (RPWs):  directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  |
| ■ Wetlands adjacent to Reserved for Section III II  3. Non-RPWs that flow ■ Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet): Reserved for Section III  | Acres D 2 (RPWs):  directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet):  Acres:   |
| ■ Wetlands adjacent to Reserved for Section III II  3. Non-RPWs that flow ■ Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet): Reserved for Section III Reserved for Section III   | Acres D 2 (RPWs):  directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet):  Acres:  D 4 (Wetlands directly abutting RPWs):   |
| ■ Wetlands adjacent to Reserved for Section III II  3. Non-RPWs that flow ■ Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet): Reserved for Section III Reserved for Section IIII 6. Wetlands adjacent to  | Acres D 2 (RPWs):  directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  o non-RPWs that flow directly or indirectly into TNWs.  |
| ■ Wetlands adjacent to Reserved for Section III II  3. Non-RPWs that flow ■ Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet): Reserved for Section III Reserved for Section III 6. Wetlands adjacent to has a significant next                        | Acres D 2 (RPWs):  directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  o non-RPWs that flow directly or indirectly into TNWs.  |
| ■ Wetlands adjacent to Reserved for Section III II  3. Non-RPWs that flow ■ Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet): Reserved for Section III Reserved for Section III 6. Wetlands adjacent to has a significant next                        | Acres D 2 (RPWs):  directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet):  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  o non-RPWs that flow directly or indirectly into TNWs.  o non-RPWs which, in combination with the tributary and other adjacent wetlands, sus with the TNW.  risdictional wetland (in acres):   |
| ■ Wetlands adjacent to Reserved for Section III II  3. Non-RPWs that flow ■ Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet): Reserved for Section III Reserved for Section III 6. Wetlands adjacent to has a significant nexe Estimated size of juri | Acres D 2 (RPWs):  directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet):  Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  o non-RPWs that flow directly or indirectly into TNWs.  o non-RPWs which, in combination with the tributary and other adjacent wetlands, sus with the TNW.  risdictional wetland (in acres):  risdictional waters.   |

#### F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 16C  |  |
|--|--|
| As described in Section 3C1 apossess a significant nexus w   | above, an analysis of this ephemeral drainage determined that it did not with the nearest TNW. |
| Explain finding of Other:  |  |
| ✓ Non-wetland waters  ☐ Other waters   | 7461.26 linear feet (ft), 8.04 width (ft) acres  |
| ☐ Wetlands   | acres  |
| SECTION IV: DATA SOURCES   |  |
|  |  |
| <ul><li>□ Data Sheets Prepared by</li><li>□ Corps Navigable Water S</li><li>□ US Geological Survey Hyo</li><li>□ USGS NHD Data</li></ul> | tudy   |
| <ul><li>USGS 8 and 12 digit I</li><li>✓ US Geological Survey Ma</li><li>Silver Reef Mountain</li></ul>                                   |  |
| ☐ USDA Nat'l Res Conserva☐ National Wetlands Inven☐ State/Local Wetland Inve   | tory Maps Cite Map Name:   |
| <ul><li>☐ FEMA/FIR Maps</li><li>☐ 100-year Floodplain Elev</li></ul>   | ation is: (National Geodetic Vertical Datum of 1929)   |
| ✓ Aerial Photographs (Na   | me and Date): BING, Microsoft Virtual Earth 2008   |
| _  | me and Date): Ground Photos; May 2012  File No. and Date of Response Letter:                   |
| ☐ Applicable/Supporting Ca   |  |
| ☐ Applicable/Supporting Sc   |  |
| Other Information, Pleas   | e Specify:   |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM                                | <u>IATION</u>   |   |                 |                       |
|---|-----------------|---|-----------------|-----------------------|
| A. Report Completion Date for App                           | oroved Jurisdic | ctional Determination: 07/3   | 0/2012          |                       |
| B. District Office and File No: Los                         | Angeles Distri  | ct, File No. Pending  |                 |                       |
| C. Project Location and Background                          | d Information   | Drainage Feature 16C1   |                 |                       |
| City, County, State Sif Oidak Dis                           | strict, Tohono  | O'odham Nation, Pima and Pi   | nal Counties, A | Arizona               |
| Center coordinates of site: Lat.                            | 32.5073         | Long111.9100  |                 |                       |
| Name of nearest waterbody: Un                               | named Wash      | 16C1  |                 |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306        | W: Gila River   | between Powers Butte and G  | illespie Dam    |                       |
| ✓ Map/Diagram of potential juris                            | dictional area  | is available on request   |                 |                       |
| D. Review Performed for Site Evalu                          | ation:          |   |                 |                       |
| Office Determination. Date:                                 |                 |   |                 |                       |
| Field Determination. Date: 05/2                             | 2012            |   |                 |                       |
| SECTION II: SUMMARY OF FINDIN                               | GS              |   |                 |                       |
| A. RHA Section 10 Determination                             |                 | 1   |                 |                       |
| There Are No "navigable waters                              |                 |   | eview area.     |                       |
| B. CWA Section 404 Determination                            | n of Jurisdicti | on  |                 |                       |
|   |                 | CWA jurisdiction in the reviev  | w area.         |                       |
| 1. Waters of the US:  |                 |   |                 |                       |
| Linear Feet   |                 | Width (ft) and/or   | Acres           |                       |
| Limits of Jurisdiction based on:                            |                 |   |                 |                       |
| 2. Non-Regulated Waters/Wet                                 | lands:          |   |                 |                       |
| ✓ Potentially jurisdictional wa                             |                 | etlands were assessed and de  | termined not    | to be jurisdictional: |
|   | it possessed a  | lify as a TNW or RPW. Therefo<br>significant nexus with a dowr<br>downstream TNW. |                 |                       |
| SECTION III: CWA ANALYSIS                                   |                 |   |                 |                       |
| A. TNWs AND WETLANDS ADJACE                                 | ENT TO TNWs     |   |                 |                       |
| 1. Identified TNW:  |                 |   |                 |                       |
| Rationale for TNW determinat                                | ion:            |   |                 |                       |
| 2. Rationale for conclusion tha                             | it any wetland  | s present are "adjacent":   |                 |                       |
| B. CHARACTERISTICS OF NON-TN                                | W TRIBUTARY     | AND ITS ADJACENT WETLAND  | S               |                       |
| TNW Watershed Size (sq mi):                                 | 49650           | Tributaries flow to TNV   |                 | 4                     |
| Drainage Area (sq mi):                                      | 0.00039         | River Miles from tribut   | •               | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in): | 8.5<br>0        | River Miles from tribut<br>Aerial Miles from tribu                                | •               | 30 (or more)          |
| Twerage Annian Showian (III).                               | <b>J</b>        | Aerial Miles from tribu   | •               | 33 (01 111010)        |
| ☐ Project waters cross or serv                              | ve as state bou |   | -               |                       |

Feature ID: 16C1

| •   |                                  | the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topograp<br>te of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|---|----------------------------------|---|
| Tributary is: Natural   |                                  | Explain:  |
| Average Width (ft):   | 5.01                             |   |
| verage Depth (ft):  | 1                                |   |
| ,   |                                  |   |
| verage Side Slopes:   | strate                           | composition (check all that apply):   |
| Average Side Slopes:  Primary tributary sub  Silts Sands  Concrete N                      | ostrate  Juck                    | Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  Other, Explain:  |
| verage Side Slopes: rimary tributary sub Silts Sands Concrete N ributary Condition/S      | ostrate  Juck Stability          | Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  Other, Explain:  y. Explain: Stable  |
| verage Side Slopes: rimary tributary sub Silts Sands Concrete N ributary Condition/S      | ostrate  Juck Stability          | Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  Other, Explain:  |
| Average Side Slopes:  Primary tributary sub Silts Sands Concrete N  Tributary Condition/S | ostrate  Muck  Stability  e/Pool | Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  Other, Explain:  y. Explain: Stable  |

(c) Flow:

| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Eve                                  | ents per ye | ear:      | 2-5                 |   |
|----------------------------|-----------------------|------------------|---|-------------|-----------|---------------------|---|
| Describe Flow Regime:      | Ephemeral             | Other Inf        | Other Information on Duration and Volume: |             |           |                     |   |
| Surface Flow is:           | Confined              | Characte         | Characteristics:                          |             |           |                     |   |
| Subsurface Flow:           | No                    | Explain:         |   |             |           |                     |   |
| Tributary Has:             |                       |                  |   |             |           |                     |   |
| ☐ Bed and Banks            |                       |                  |   |             |           |                     |   |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |   |             |           |                     |   |
| ☐ Clear, natural line      | impressed on the bank |                  | /egetati                                  | on matted   | down,     | bent or absent      |   |
| Changes in soil cha        | aracter               | □ L              | eaf litte.                                | r disturbe  | d or wa   | shed away           |   |
| ☐ Shelving                 |                       | □ P              | resence                                   | of litter a | nd deb    | ris                 |   |
| ☐ Sediment deposition      | on                    | ✓ [              | Destruct                                  | ion of terr | estrial v | egetation egetation |   |
| Sediment sorting           |                       |                  | Abrupt c                                  | hange in p  | lant co   | mmunity             |   |
| ☐ Scour                    |                       |                  | Multiple                                  | observed    | or pred   | icted flow events   | ı |
| ☐ Presence of wrack        | line                  | $\square$ $\vee$ | Vater st                                  | aining      |           |                     |   |
| Other (list):              |                       |                  |   |             |           |                     |   |
| ☐ Discontinuous? Ex        | kplain:               |                  |   |             |           |                     |   |
| (iii) Chemical Characteris | tice                  |                  |   |             |           |                     |   |
|                            |                       |                  |   |             |           |                     |   |
| Characterize Tributa       |                       |                  |   |             |           |                     |   |
| Identify Specific Poll     | utants, if known:     |                  |   |             |           |                     |   |
|                            |                       |                  |   |             |           |                     |   |
|                            |                       |                  |   |             |           |                     |   |
|                            |                       |                  |   |             |           |                     |   |
|                            |                       |                  |   |             |           |                     |   |

| Feature ID: 16C1   |      |
|--|------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |      |
| ☐ Riparian Corridor Characteristics: ☐ Wetland Fringe Characteristics:   |      |
| Habitat for:   |      |
| ☐ Federally Listed Species Explain:  |      |
| ☐ Fish/Spawn Areas Explain:  |      |
| ☐ Other environmentally -sensitive species Explain:  |      |
| ☐ Aquatic/Wildlife diversity Explain:  |      |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW   |      |
| (i) Physical Characteristics:  |      |
| Wetland Size (ac): Wetland Type, Explain:  |      |
| Wetland Quality, Explain:  |      |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |      |
| Wetland Flow is: Explain:  |      |
| Surface Flow is: Characteristics:  |      |
| Subsurface Flow: Explain Findings:   |      |
| <ul> <li>□ Wetland Directly Abutting Non-TNW</li> <li>□ Wetland Not Directly Abutting Non-TNW</li> <li>□ Discrete wetland hydrologic connection Explain:</li> <li>□ Ecological connection Explain:</li> <li>□ Separated by berm/barrier Explain:</li> <li>Project Wetlands: River Miles from TNW:</li> <li>Project Wetlands: Aerial Miles from TNW:</li> <li>Flow is From:</li> <li>Approximate Location of Wetland within Floodplain:</li> </ul> (ii) Chemical Characteristics: |      |
| Characterize Wetland System:   |      |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |      |
| <ul> <li>□ Riparian Buffer Explain:</li> <li>□ Vegetation type/percent cover. Explain:</li> <li>Habitat for:</li> <li>□ Federally Listed Species Explain:</li> <li>□ Fish/Spawn Areas Explain:</li> </ul>  |      |
| ☐ Other environmentally-sensitive species Explain:   |      |
| ☐ Aquatic/Wildlife Diversity Explain:  |      |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |      |
| All wetland(s) considered in cumulative analysis:  |      |
| Wetland acres in total being considered in cumulative analysis:  |      |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical function   | ıs): |
| ,  | •    |

| Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or   |   |
|--|---|
| to TNW. Explain:   | indirectly  |
| is unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, tween Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flacharges, in combination with the geomorphology of the Analysis Area, the presence of a sign twinstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, sugn assibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollute tical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral trical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral trical habitats were more than a speculative or insubstantial effect on the physical, chemical cological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess that with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. | lood<br>nificant<br>gests that the<br>rants or<br>drainage<br>TNW. This<br>al, and/or |
| Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flow indirectly into TNW. Explain:   | vs directly   |
| Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the plain:  | e RPW.  |
| TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  eserved for Section III D 2 (RPWs):   | es  |
| Non-RPWs that flow directly or indirectly into TNWs.   |   |
| Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signfic with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:   | cant nexus  |
| eserved for Section III D 4 (Wetlands directly abutting RPWs):   |   |
| eserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |   |
| . Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |   |
| <ul> <li>Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacen has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> </ul>  | nt wetlands,  |
| . Impoundments of jurisdictional waters.   |   |
| Demonstration of Jurisdiction:   |   |
| OLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUC  | TION OF   |
| CH COULD AFFECT INTERSTATE COMMERCE  |   |
| upporting rationale:   |   |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 16C1  |                                   |  |  |
|---|-----------------------------------|--|--|
| As described in Section 3C1 a possess a significant nexus w |                                   | neral drainage determined that it did not  |  |
| Explain finding of Other:                                   |                                   |  |  |
| ✓ Non-wetland waters  | 2192.74 linear feet (ft),         | 5.01 width (ft)                            |  |
| Other waters  | acres                             |  |  |
| ☐ Wetlands  | acres                             |  |  |
| SECTION IV: DATA SOURCES                                    |                                   |  |  |
| ✓ Maps, Plans, Plots or Plat                                | Submitted by Applicant/Cons       | sultant: WestLand Resources, Inc.          |  |
| ✓ Data Sheets Prepared/Sul                                  | bmitted on behalf of Applicant    |  |  |
| ☐ Office Concurs with de                                    | elineation                        |  |  |
| ☐ Office Does Not Concu                                     | ur with delineation               |  |  |
| ☐ Data Sheets Prepared by                                   | the Corps                         |  |  |
| ☐ Corps Navigable Water St                                  |                                   |  |  |
| ☐ US Geological Survey Hyd                                  | •                                 |  |  |
| □ USGS NHD Data   |                                   |  |  |
| ☐ USGS 8 and 12 digit H                                     | IIIC Man                          |  |  |
| _   | ·                                 |  |  |
| ✓ US Geological Survey Map                                  |                                   |  |  |
| Silver Reef Mountains                                       | s SE, North Komelik, and Santa I  | Rosa Mountains NW 7.5-Minute Quadrangles   |  |
| ☐ USDA Nat'l Res Conservat                                  | tion Service Soil Survey Citation | on:  |  |
| ☐ National Wetlands Invent                                  | •                                 |  |  |
| ☐ State/Local Wetland Inve                                  | ·                                 |  |  |
| ☐ FEMA/FIR Maps   |                                   |  |  |
| ☐ 100-year Floodplain Eleva                                 | ation is:                         | (National Geodetic Vertical Datum of 1929) |  |
| •   | me and Date): BING, Microsoft     |  |  |
|   | me and Date): Ground Photos;      |  |  |
| _   | File No. and Date of Response     | •  |  |
| ☐ Applicable/Supporting Ca                                  |                                   |  |  |
|   | ientific Literature Citation:     |  |  |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION  |                       |
|--|-----------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                       |
| B. District Office and File No: Los Angeles District, File No. Pending   |                       |
| C. Project Location and Background Information: Drainage Feature 16C1A   |                       |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties, A  | Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                       |
| Name of nearest waterbody: Unnamed Wash 16C1A  |                       |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam  |                       |
| HUC Code: 15050306   |                       |
| ☑ Map/Diagram of potential jurisdictional area is available on request   |                       |
| D. Review Performed for Site Evaluation:   |                       |
| Office Determination. Date:  |                       |
| Field Determination. Date: 05/2012   |                       |
| SECTION II: SUMMARY OF FINDINGS  |                       |
| A. RHA Section 10 Determination of Jurisdiction  |                       |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.  |                       |
| B. CWA Section 404 Determination of Jurisdiction  There Are No  "waters of the U.S." within CWA jurisdiction in the review area.  1. Waters of the US:   |                       |
| Linear Feet Width (ft) and/or Acres  |                       |
| Limits of Jurisdiction based on:   |                       |
| 2. Non-Regulated Waters/Wetlands:  ✓ Potentially jurisdictional waters and/or wetlands were assessed and determined not  | to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this draina considered jurisdictional if it possessed a significant nexus with a downstream TNW. not possess a significant nexus with the downstream TNW. | •                     |
| SECTION III: CWA ANALYSIS  |                       |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                       |
| 1. Identified TNW:   |                       |
| Rationale for TNW determination:   |                       |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                       |
|  |                       |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4                     |
| Drainage Area (sq mi): 0.00010 River Miles from tributary to TNW:  | 30 (or more)          |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:   |                       |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW: Aerial Miles from tributary to RPW:  | 30 (or more)          |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                       |

Feature ID: 16C1A

| Identify flow route to  |   |  |
|---|---|--|
| .ac,  | TNW:  |  |
| _   | •   | rea are ultimately tributary to the Santa Rosa Wash. Topography I flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural   | Explain:  |  |
| Average Width (ft):   | 5.76  |  |
| Average Depth (ft):   | 1   |  |
| Average Side Slopes:  | 2:1   |  |
| Primary tributary sub   | strate composition (                                | check all that apply):   |
| ✓ Silts ☐ Sands   | ☐ Cobbles ☐   | ☐ Bedrock ☑ Gravel ☐ Vegetation  |
| ☐ Concrete ☐ M  |   | Ü  |
|   | , ·   |  |
| Tributary Condition/S   |   | table  |
| Presence of Run/Rifflo  | •   | •  |
| Tributary Geometry:<br>Tributary Gradient (a)   | Relatively Straight                                 |  |
|   |   |  |
| Flow:<br>ibutary Provides for:<br>escribe Flow Regime:  | · ·   | Average Flow Events per year: 2-5 Other Information on Duration and Volume:  |
|   | · ·   | ,  |
| ibutary Provides for:<br>escribe Flow Regime:<br>orface Flow is:  | Ephemeral<br>Confined                               | Other Information on Duration and Volume: Characteristics:   |
| ibutary Provides for:<br>escribe Flow Regime:<br>orface Flow is:<br>obsurface Flow:   | Ephemeral   | Other Information on Duration and Volume:  |
| ibutary Provides for:<br>escribe Flow Regime:<br>orface Flow is:<br>obsurface Flow:<br>butary Has:  | Ephemeral<br>Confined                               | Other Information on Duration and Volume: Characteristics:   |
| ibutary Provides for: escribe Flow Regime: irface Flow is: ibsurface Flow: butary Has: Bed and Banks                                      | Ephemeral<br>Confined<br>No                         | Other Information on Duration and Volume: Characteristics:   |
| ibutary Provides for: escribe Flow Regime: orface Flow is: obsurface Flow: butary Has: Bed and Banks OHWM: OHWM Inc                       | Ephemeral Confined No                               | Other Information on Duration and Volume: Characteristics: Explain:  |
| ibutary Provides for: escribe Flow Regime: irface Flow is: ibsurface Flow: butary Has: Bed and Banks OHWM: OHWM Inc Clear, natural line i | Ephemeral Confined No licators: mpressed on the bar | Other Information on Duration and Volume: Characteristics: Explain:  No Vegetation matted down, bent or absent               |
| ibutary Provides for: escribe Flow Regime: orface Flow is: obsurface Flow: butary Has: Bed and Banks OHWM: OHWM Inc                       | Ephemeral Confined No licators: mpressed on the bar | Other Information on Duration and Volume: Characteristics: Explain:  |

✓ Sediment sorting
Abrupt change in plant community

Scour
Multiple observed or predicted flow events

Presence of wrack line
Water staining

Other (list):
Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

Identify Specific Pollutants, if known:

| v) Biological Characteristics   | . Channel supports (check all that apply):   |  |
|---|--|--|
| $\square$ Riparian Corridor Cha   | racteristics:  |  |
| ☐ Wetland Fringe Chara  | icteristics:   |  |
| Habitat for:  |  |  |
| $\square$ Federally Listed Specie   | es Explain:  |  |
| ☐ Fish/Spawn Areas  | Explain:   |  |
| $\square$ Other environmentally   | ·  |  |
| ☐ Aquatic/Wildlife divers   | sity Explain:  |  |
| . Characteristics of wetland  | s adjacent to non-TNW that flow directly or indirectly into TNW  |  |
| i) Physical Characteristics:  |  |  |
| Wetland Size (ac):  | Wetland Type, Explain:   |  |
| Wetland Quality, Explain:   | :  |  |
| •   | r Serve as State Boundaries, Explain:  |  |
| Wetland Flow is:  | Explain:   |  |
| Surface Flow is:  | Characteristics:   |  |
| Subsurface Flow:  | Explain Findings:  |  |
| ·   | Abutting Non-TNW  odrologic connection Explain:  |  |
| ☐ Discrete wetland hy ☐ Ecologcal connectio ☐ Separated by berm, Project Wetlands: River N Project Wetlands: Aerial Flow is From: Approximate Location of   | drologic connection Explain:  n Explain: /barrier Explain: Miles from TNW:   |  |
| ☐ Discrete wetland hy ☐ Ecologcal connection ☐ Separated by bermy Project Wetlands: River N Project Wetlands: Aerial Flow is From: Approximate Location of  ii) Chemical Characteristics:   | vdrologic connection Explain: on Explain: //barrier Explain: Miles from TNW: Miles from TNW: Wetland within Floodplain:  |  |
| ☐ Discrete wetland hy ☐ Ecologcal connection ☐ Separated by bermy Project Wetlands: River N Project Wetlands: Aerial Flow is From: Approximate Location of ii) Chemical Characteristics: Characterize Wetland Sys   | vdrologic connection Explain: on Explain: Vbarrier Explain: Wiles from TNW: Wetland within Floodplain: Stem:   |  |
| ☐ Discrete wetland hy ☐ Ecological connection ☐ Separated by bermy Project Wetlands: River N Project Wetlands: Aerial Flow is From: ☐ Approximate Location of ii) Chemical Characteristics: Characterize Wetland Systiii) Biological Characteristics  | Adrologic connection Explain:  In Explain:  Abarrier Explain:  Miles from TNW:  Miles from TNW:  Wetland within Floodplain:  Stem:  Wetland supports (check all that apply):   |  |
| □ Discrete wetland hy □ Ecologcal connectio □ Separated by berm, Project Wetlands: River N Project Wetlands: Aerial Flow is From: Approximate Location of ii) Chemical Characteristics: Characterize Wetland Systiii) Biological Characteristics □ Riparian Buffer Expl   | Adrologic connection Explain:  In Explain:  Abarrier Explain:  Miles from TNW:  Miles from TNW:  Wetland within Floodplain:  Stem:  . Wetland supports (check all that apply):  ain:   |  |
| □ Discrete wetland hy □ Ecologcal connectio □ Separated by bermy Project Wetlands: River N Project Wetlands: Aerial Flow is From: □ Approximate Location of ii) Chemical Characteristics: □ Characterize Wetland Systii) Biological Characteristics □ Riparian Buffer Expl □ Vegetation type/percent  | Adrologic connection Explain:  In Explain:  Abarrier Explain:  Miles from TNW:  Miles from TNW:  Wetland within Floodplain:  Stem:  . Wetland supports (check all that apply):  ain:   |  |
| □ Discrete wetland hy □ Ecologcal connectio □ Separated by bermy Project Wetlands: River N Project Wetlands: Aerial Flow is From: Approximate Location of ii) Chemical Characteristics: Characterize Wetland Sys iii) Biological Characteristics □ Riparian Buffer Expl □ Vegetation type/perce   | Adrologic connection Explain:  In Explain:  Abarrier Explain:  Miles from TNW:  Miles from TNW:  Wetland within Floodplain:  Stem:  . Wetland supports (check all that apply):  ain:  cent cover. Explain:   |  |
| □ Discrete wetland hy □ Ecologcal connectio □ Separated by bermy Project Wetlands: River N Project Wetlands: Aerial Flow is From: □ Approximate Location of  ii) Chemical Characteristics: □ Characterize Wetland Systii) Biological Characteristics □ Riparian Buffer Expl □ Vegetation type/pero Habitat for: □ Federally Listed Spe  | Adrologic connection Explain:  An Explain:  Abarrier Explain:  Miles from TNW:  Miles from TNW:  Wetland within Floodplain:  Stem:  . Wetland supports (check all that apply):  ain:  cent cover. Explain:   |  |
| □ Discrete wetland hy □ Ecologcal connectio □ Separated by bermy Project Wetlands: River N Project Wetlands: Aerial Flow is From: □ Approximate Location of  ii) Chemical Characteristics: □ Characterize Wetland Systiii) Biological Characteristics □ Riparian Buffer Expl □ Vegetation type/pero Habitat for: □ Federally Listed Spe □ Fish/Spawn Areas  | Adrologic connection Explain:  An Explain:  Abarrier Explain:  Alies from TNW:  Miles from TNW:  Wetland within Floodplain:  Stem:  A Wetland supports (check all that apply):  ain:  cent cover. Explain:  Explain:  Explain:   |  |
| □ Discrete wetland hy □ Ecologcal connectio □ Separated by berm/ Project Wetlands: River N Project Wetlands: Aerial Flow is From: □ Approximate Location of  ii) Chemical Characteristics: □ Characterize Wetland Systiii) Biological Characteristics □ Riparian Buffer Expl □ Vegetation type/pero Habitat for: □ Federally Listed Spe □ Fish/Spawn Areas □ Other environments                       | Adrologic connection Explain:  An Explain:  Abarrier Explain:  Aliles from TNW:  Miles from TNW:  Wetland within Floodplain:  Stem:  A Wetland supports (check all that apply):  ain:  Beent cover. Explain:  Explain:  Explain:  ally-sensitive species Explain:  |  |
| □ Discrete wetland hy □ Ecologcal connectio □ Separated by berm/ Project Wetlands: River M Project Wetlands: Aerial Flow is From: □ Approximate Location of  ii) Chemical Characteristics: □ Characterize Wetland Systii) Biological Characteristics □ Riparian Buffer Expl □ Vegetation type/pero Habitat for: □ Federally Listed Spe □ Fish/Spawn Areas □ Other environments □ Aquatic/Wildlife Div | Adrologic connection Explain:  An Explain:  Abarrier Explain:  Miles from TNW:  Miles from TNW:  Wetland within Floodplain:  Stem:  Wetland supports (check all that apply):  ain:  Bent cover. Explain:  Explain:  Bett |  |
| □ Discrete wetland hy □ Ecologcal connectio □ Separated by berm/ Project Wetlands: River M Project Wetlands: Aerial Flow is From: □ Approximate Location of  ii) Chemical Characteristics: □ Characterize Wetland Systii) Biological Characteristics □ Riparian Buffer Expl □ Vegetation type/pero Habitat for: □ Federally Listed Spe □ Fish/Spawn Areas □ Other environments □ Aquatic/Wildlife Div | Adrologic connection Explain:  An Explain:  Abarrier Explain:  Aliles from TNW:  Miles from TNW:  Wetland within Floodplain:  Stem:  A Wetland supports (check all that apply):  ain:  Beent cover. Explain:  Explain:  Explain:  ally-sensitive species Explain:  |  |
| □ Discrete wetland hy □ Ecologcal connectio □ Separated by berm/ Project Wetlands: River M Project Wetlands: Aerial Flow is From: □ Approximate Location of  ii) Chemical Characteristics: □ Characterize Wetland Systii) Biological Characteristics □ Riparian Buffer Expl □ Vegetation type/pero Habitat for: □ Federally Listed Spe □ Fish/Spawn Areas □ Other environments □ Aquatic/Wildlife Div | Adrologic connection Explain:  An Explain:  Abarrier Explain:  Miles from TNW:  Miles from TNW:  Wetland within Floodplain:  Stem:  . Wetland supports (check all that apply):  ain:  cent cover. Explain:  Explain:  ally-sensitive species Explain:  Area adjacent to the non-TNW tributary (if any)   |  |

| SIGNIFICANT NEXUS DETI   | ERMINATION   |
|--|--|
| 1. Significant nexus findir into TNW. Explain:   | ngs for non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and discharges, in combination downstream manmade in possibility of a hydrologic critical habitats were identical does not provide lifecycle drainage does not have much biological integrity of the  | drainage is located more than 100 river miles from the nearest TNW, the Gila River and Gillespie Dam. An analysis of peak yearly discharges and potential flood in with the geomorphology of the Analysis Area, the presence of a significant impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the connection between this drainage and the TNW is tenuous. No pollutants or intified within the Analysis Area. Additionally, this unnamed ephemeral drainage is support functions, nutrients, or organic carbon to species within the TNW. This more than a speculative or insubstantial effect on the physical, chemical, and/or TNW. Therefore, this unnamed ephemeral drainage does not possess a significant the of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus finding or indirectly into TNW. Expenses the second contract of the se | ngs for non-RPW and its adjacent wetlands, where the non-RPW flows directly xplain:  |
| 3. Significant nexus finding Explain:  | ngs for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| DETERMINATIONS OF III  | RISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| 1. TNWs and Adjacent W   |  |
| _  |  |
| <ul><li>TNWs:</li><li>Wetlands adjacent to</li></ul>   | Linear Feet Width (ft), Or, Acres  |
|  |  |
| Reserved for Section III D   | Z (RPWS).  |
|  |  |
|  | lirectly or indirectly into TNWs.  |
| ☐ Non-TNW/non-RPW w  | vaterbody that flows directly or indirectly into a TNW and has a signficant nexus  |
| ☐ Non-TNW/non-RPW with a TNW, and is the   | waterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.   |
| ☐ Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):   | waterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet):  Acres:  |
| ☐ Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III D   | waterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet): Acres:  O 4 (Wetlands directly abutting RPWs):   |
| ☐ Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III Description of the Reserved for Section III Description III Desc  | waterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet): Acres:  O 4 (Wetlands directly abutting RPWs):  O 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| <ul> <li>Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):</li> <li>Reserved for Section III €</li> <li>Reserved for Section III €</li> <li>Wetlands adjacent to</li> </ul>   | waterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet):  Acres:  O 4 (Wetlands directly abutting RPWs):  O 5 (Wetlands adjacent to but not directly abutting RPWs):  non-RPWs that flow directly or indirectly into TNWs.  |
| <ul> <li>□ Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):</li> <li>Reserved for Section III Description Reserved for Section III Description Control of the Length (Linear Feet):</li> <li>Reserved for Section III Description Control of the Length (Linear Feet):</li> <li>Wetlands adjacent to</li> </ul>  | waterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet):  Acres:  O 4 (Wetlands directly abutting RPWs):  O 5 (Wetlands adjacent to but not directly abutting RPWs):  non-RPWs that flow directly or indirectly into TNWs.  non-RPWs which, in combination with the tributary and other adjacent wetlands,  |
| <ul> <li>Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):</li> <li>Reserved for Section III □</li> <li>Reserved for Section III □</li> <li>Wetlands adjacent to has a significant nexu</li> </ul>  | waterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet):  Acres:  O 4 (Wetlands directly abutting RPWs):  O 5 (Wetlands adjacent to but not directly abutting RPWs):  non-RPWs that flow directly or indirectly into TNWs.  non-RPWs which, in combination with the tributary and other adjacent wetlands,  |
| <ul> <li>Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):</li> <li>Reserved for Section III □</li> <li>Reserved for Section III □</li> <li>Wetlands adjacent to has a significant nexu</li> </ul>  | waterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet):  Acres:  O 4 (Wetlands directly abutting RPWs):  O 5 (Wetlands adjacent to but not directly abutting RPWs):  non-RPWs that flow directly or indirectly into TNWs.  non-RPWs which, in combination with the tributary and other adjacent wetlands, as with the TNW.  sdictional wetland (in acres):   |

# Length (linear feet): Acres: F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

#### Feature ID: 16C1A As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 488.44 linear feet (ft), 5.76 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008

✓ Other Photographs (Name and Date): Ground Photos; May 2012☐ Previous Determinations File No. and Date of Response Letter:

☐ Applicable/Supporting Case Law Citation:

Other Information, Please Specify: Additional Comments to Support JD:

Applicable/Supporting Scientific Literature Citation:

| SECTION I: BACKGROUND INFORM  | <u>MATION</u>    |  |                |                             |
|---|------------------|--|----------------|-----------------------------|
| A. Report Completion Date for App   | oroved Jurisdic  | ctional Determination:                     | 07/30/2012     |                             |
| B. District Office and File No: Los   | Angeles Distri   | ct, File No. Pending                       |                |                             |
| C. Project Location and Background  | d Information    | Drainage Feature 160                       | 2              |                             |
| City, County, State Sif Oidak Dis   | strict, Tohono   | O'odham Nation, Pima ar                    | nd Pinal Coun  | ties, Arizona               |
| Center coordinates of site: Lat.  | 32.5073          | Long111.9100                               |                |                             |
| Name of nearest waterbody: Un   | named Wash       | 16C2                                       |                |                             |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River    | between Powers Butte a                     | nd Gillespie [ | Jam                         |
| ✓ Map/Diagram of potential juris  | dictional area   | is available on request                    |                |                             |
| D. Review Performed for Site Evalu  | iation:          |  |                |                             |
| Office Determination. Date:   |                  |  |                |                             |
| Field Determination. Date: 05/2   | 2012             |  |                |                             |
| SECTION II: SUMMARY OF FINDING  | GS               |  |                |                             |
| A. RHA Section 10 Determination   |                  | 1  |                |                             |
| There Are No "navigable waters  |                  |  | the review ar  | ea.                         |
| B. CWA Section 404 Determination  | on of Jurisdicti | on   |                |                             |
| There Are No "waters of the   | ne U.S." withir  | CWA jurisdiction in the re                 | eview area.    |                             |
| 1. Waters of the US:  |                  |  |                |                             |
| Linear Feet   |                  | Width (ft) and/or                          | Acre           | es                          |
| Limits of Jurisdiction based on:  |                  |  |                |                             |
| 2. Non-Regulated Waters/Wet   | lands:           |  |                |                             |
| ✓ Potentially jurisdictional wa   |                  | etlands were assessed an                   | d determine    | d not to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a   | significant nexus with a c                 |                |                             |
| SECTION III: CWA ANALYSIS   |                  |  |                |                             |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs       |  |                |                             |
| 1. Identified TNW:  |                  |  |                |                             |
| Rationale for TNW determinat  | tion:            |  |                |                             |
| 2. Rationale for conclusion tha   | it any wetland   | s present are "adjacent":                  |                |                             |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY      | AND ITS ADJACENT WETL                      | ANDS           |                             |
| TNW Watershed Size (sq mi):   | 49650            | Tributaries flow to                        |                | 4                           |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                | 0.00016<br>8.5   | River Miles from to<br>River Miles from to | •              |                             |
| Average Annual Snowfall (in):   | 0                | Aerial Miles from t                        | •              |                             |
|   | -                | Aerial Miles from t                        | •              |                             |
| ☐ Project waters cross or serv  | ve as state bou  | undaries. Explain:                         |                |                             |

Feature ID: 16C2

| Unnamed drainages suggests the most like River.                              |                                  | •                                 |  | • | •             |         |  |
|--|----------------------------------|-----------------------------------|--|---|---------------|---------|--|
| Tributary is: Natural  |                                  | Explain:                          |  |   |               |         |  |
| Average Width (ft):  | 5.54                             |                                   |  |   |               |         |  |
| verage Depth (ft):   | 1                                |                                   |  |   |               |         |  |
|  |                                  |                                   |  |   |               |         |  |
| Average Side Slopes:  Primary tributary sub                                  | strate                           |                                   |  |   | □ <b>V</b> o= | a.      |  |
| rimary tributary sub   | strate                           | compositic<br>Cobbles<br>Other, E | Bedrock                                    |   | □ Veg         | etation |  |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N                        | ostrate<br>: □<br>Muck           | Cobbles<br>Other, E               | Bedrock                                    |   | □ Veg         | etation |  |
| Primary tributary sub  ✓ Silts □ Sands □ Concrete □ N  ─ributary Condition/S | ostrate  Muck  Stability         | Cobbles Other, E                  | ☐ Bedrock                                  |   | □ Veg         | etation |  |
| Primary tributary sub  ☑ Silts ☐ Sands                                       | ostrate  Muck  Stability  e/Pool | Cobbles Other, E                  | Bedrock  Explain:  Stable  Stable  Stable: | k | □ Veg         | etation |  |

(c) Flow:

| Tributary Provides for:         | Ephemeral Flow                                      | Average          | Flow Eve                              | ents per ye | ear:     | 2-5           |       |  |  |
|---------------------------------|---|------------------|---------------------------------------|-------------|----------|---------------|-------|--|--|
| Describe Flow Regime:           | Ephemeral Other Information on Duration and Volume: |                  |                                       |             |          |               |       |  |  |
| Surface Flow is:                | Confined  | Characteristics: |                                       |             |          |               |       |  |  |
| Subsurface Flow:                | No  | Explain:         |                                       |             |          |               |       |  |  |
| Tributary Has:                  |   |                  |                                       |             |          |               |       |  |  |
| $\square$ Bed and Banks         |   |                  |                                       |             |          |               |       |  |  |
| ✓ OHWM: OHWM Inc                | dicators:   |                  |                                       |             |          |               |       |  |  |
| $\square$ Clear, natural line i | mpressed on the ban                                 | k 🗌 ۱            | Vegetatio                             | on matted   | down,    | bent or abse  | ent   |  |  |
| Changes in soil cha             | racter  | □ l              | Leaf litter                           | r disturbe  | d or was | shed away     |       |  |  |
| ☐ Shelving                      |   | F                | Presence                              | of litter a | nd debr  | ris           |       |  |  |
| ☐ Sediment deposition           |   |                  | Destruction of terrestrial vegetation |             |          |               |       |  |  |
| Sediment sorting                |   |                  | Abrupt ch                             | nange in p  | lant cor | nmunity       |       |  |  |
| ☐ Scour                         |   | _ I              | Multiple                              | observed    | or predi | icted flow ev | ents/ |  |  |
| $\square$ Presence of wrack     | line  | □ \              | Water sta                             | aining      |          |               |       |  |  |
| Other (list):                   |   |                  |                                       |             |          |               |       |  |  |
| ☐ Discontinuous? Ex             | xplain:   |                  |                                       |             |          |               |       |  |  |
|                                 |   |                  |                                       |             |          |               |       |  |  |
| (iii) Chemical Characteris      | tics:   |                  |                                       |             |          |               |       |  |  |
| Characterize Tributar           | ry:   |                  |                                       |             |          |               |       |  |  |
| Identify Specific Pollu         | utants, if known:                                   |                  |                                       |             |          |               |       |  |  |
|                                 |   |                  |                                       |             |          |               |       |  |  |
| 1                               |   |                  |                                       |             |          |               |       |  |  |
|                                 |   |                  |                                       |             |          |               |       |  |  |
|                                 |   |                  |                                       |             |          |               |       |  |  |

| Feature ID: 16C2  |
|---|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |
| Riparian Corridor Characteristics:  |
| ☐ Wetland Fringe Characteristics:   |
| Habitat for:  |
| Federally Listed Species Explain:   |
| ☐ Fish/Spawn Areas Explain:   |
| Other environmentally -sensitive species Explain:   |
| ☐ Aquatic/Wildlife diversity Explain:   |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                          |
| (i) Physical Characteristics:   |
| Wetland Size (ac): Wetland Type, Explain:   |
| Wetland Quality, Explain:   |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |
| Wetland Flow is: Explain:   |
| Surface Flow is: Characteristics:   |
| Subsurface Flow: Explain Findings:  |
| ☐ Wetland Directly Abutting Non-TNW   |
| ☐ Wetland Not Directly Abutting Non-TNW   |
| ☐ Discrete wetland hydrologic connection Explain:   |
| ☐ Ecologcal connection Explain:   |
| ☐ Separated by berm/barrier Explain:  |
| Project Wetlands: River Miles from TNW:   |
| Project Wetlands: Aerial Miles from TNW:  |
| Flow is From:   |
| Approximate Location of Wetland within Floodplain:  |
| (ii) Chemical Characteristics:  |
| Characterize Wetland System:  |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |
| ☐ Riparian Buffer Explain:  |
| ☐ Vegetation type/percent cover. Explain:   |
| Habitat for:  |
| ☐ Federally Listed Species Explain:   |
| ☐ Fish/Spawn Areas Explain:   |
| Other environmentally-sensitive species Explain:  |
| ☐ Aquatic/Wildlife Diversity Explain:   |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |
| All wetland(s) considered in cumulative analysis:   |
| Wetland acres in total being considered in cumulative analysis:   |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions): |
|   |
|   |

| SIGNIFICANT NEXUS DETERMINA   | TION   |
|---|--|
| 1. Significant nexus findings for rinto TNW. Explain:   | on-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gilles discharges, in combination with t downstream manmade impound possibility of a hydrologic connectical habitats were identified w does not provide lifecycle suppor drainage does not have more that biological integrity of the TNW. T | re is located more than 100 river miles from the nearest TNW, the Gila River pie Dam. An analysis of peak yearly discharges and potential flood the geomorphology of the Analysis Area, the presence of a significant ment (Tat Momolikot Dam), and the distance to the TNW, suggests that the tion between this drainage and the TNW is tenuous. No pollutants or ithin the Analysis Area. Additionally, this unnamed ephemeral drainage to functions, nutrients, or organic carbon to species within the TNW. This in a speculative or insubstantial effect on the physical, chemical, and/or neerefore, this unnamed ephemeral drainage does not possess a significant Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for or indirectly into TNW. Explain:  | non-RPW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for v Explain:  | vetlands adjacent to an RPW but that do not directly abut the RPW.   |
| ☐ TNWs: Linear ☐ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPW   | Acres  |
| 3. Non-RPWs that flow directly of   |  |
|   | dy that flows directly or indirectly into a TNW and has a signficant nexus   |
| Reserved for Section III D 4 (Web   |  |
|   | lands adjacent to but not directly abutting RPWs):   |
| ·   | Ws that flow directly or indirectly into TNWs.   |
| ☐ Wetland adjacent to non-RPV has a significant nexus with t Estimated size of jurisdiction   |  |
| 7. Impoundments of jurisdiction   | •  |
| Demonstration of Jurisdiction   |  |
| ISOLATED WATERS, INCLUDING  | SOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   |
| HICH COULD AFFECT INTERSTATI  |  |
| Supporting rationale:   |  |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 16C2                                       |                      |                   |              |                          |            |
|--|----------------------|-------------------|--------------|--------------------------|------------|
| As described in Section 3C possess a significant nexus |                      | •                 | eral drainag | e determined that it dic | d not      |
| Explain finding of Other:                              |                      |                   |              |                          |            |
| ✓ Non-wetland waters                                   | 792.29 lir           | near feet (ft),   | 5.54 w       | vidth (ft)               |            |
| Other waters   | ac                   | cres              |              |                          |            |
| ☐ Wetlands   | ac                   | cres              |              |                          |            |
| SECTION IV: DATA SOURCES                               |                      |                   |              |                          |            |
| ✓ Maps, Plans, Plots or Pl                             | lat Submitted by     | Applicant/Consu   | ultant: We   | estLand Resources, Inc.  |            |
| ✓ Data Sheets Prepared/S                               | Submitted on beha    | alf of Applicant  |              |                          |            |
| Office Concurs with                                    |                      |                   |              |                          |            |
| Office Does Not Cor                                    |                      | ion               |              |                          |            |
| Data Sheets Prepared b                                 |                      |                   |              |                          |            |
| ☐ Corps Navigable Water                                | •                    |                   |              |                          |            |
| ☐ US Geological Survey H☐ USGS NHD Data                | yarologic Atlas      |                   |              |                          |            |
|  |                      |                   |              |                          |            |
| USGS 8 and 12 digi                                     | т нос мар            |                   |              |                          |            |
| ✓ US Geological Survey M                               | •                    |                   |              |                          |            |
| Silver Reef Mounta                                     | ins SE, North Kom    | elik, and Santa R | osa Mounta   | ains NW 7.5-Minute Qua   | adrangles  |
| ☐ USDA Nat'l Res Conserv                               | vation Service Soil  | Survey Citatio    | n:           |                          |            |
| ☐ National Wetlands Inve                               | entory Maps Cit      | te Map Name:      |              |                          |            |
| ☐ State/Local Wetland In                               | ventory Maps         |                   |              |                          |            |
| ☐ FEMA/FIR Maps  |                      |                   |              |                          |            |
| 100-year Floodplain Ele                                |                      |                   | •            | Geodetic Vertical Datum  | າ of 1929) |
| ✓ Aerial Photographs (N                                |                      |                   |              | h 2008                   |            |
| ✓ Other Photographs (N                                 |                      |                   | •            |                          |            |
| Previous Determination                                 |                      | •                 | Letter:      |                          |            |
| ☐ Applicable/Supporting                                |                      |                   |              |                          |            |
| ☐ Applicable/Supporting                                | Scientific Literatur | re Citation:      |              |                          |            |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACK     | GROUND INFORM        | <u>MATION</u>     |                         |   |                         |
|---------------------|----------------------|-------------------|-------------------------|---|-------------------------|
| A. Report Comple    | etion Date for App   | oroved Jurisdic   | tional Determination:   | 07/30/2012                                  |                         |
|                     |                      |                   | ct, File No. Pending    |   |                         |
| C. Project Location | on and Backgroun     | d Information:    | Drainage Feature        | 16D   |                         |
| City, County, Sta   | te Sif Oidak Di      | strict, Tohono    | O'odham Nation, Pim     | a and Pinal Counties                        | , Arizona               |
| Center coordina     | tes of site: Lat.    | 32.5073           | Long111.910             | 00  |                         |
| Name of nearest     | t waterbody: Un      | named Wash 1      | .6D                     |   |                         |
| Name of nearest     | t downstream TN      | N: Gila River     | between Powers Butt     | e and Gillespie Dam                         |                         |
| HUC Code: 15        | 050306               |                   |                         |   |                         |
| ✓ Map/Diagram       | of potential juris   | dictional area i  | is available on reques  | t   |                         |
| D. Review Perfor    | med for Site Evalu   | iation:           |                         |   |                         |
| Office Determina    | ation. Date:         |                   |                         |   |                         |
| Field Determina     | tion. Date: 05/      | 2012              |                         |   |                         |
| SECTION II: SUM     | MARY OF FINDIN       | GS                |                         |   |                         |
|                     | 10 Determination     | <u></u>           |                         |   |                         |
|                     |                      |                   | vithin RHA jurisdiction | in the review area.                         |                         |
| B. CWA Section      | 404 Determination    | n of Jurisdiction | on                      |   |                         |
| There Are No        |                      |                   | CWA jurisdiction in th  | ne review area.                             |                         |
| 1. Waters of        | the US:              |                   |                         |   |                         |
|                     | Linear Feet          |                   | Width (ft) and/or       | Acres                                       |                         |
| Limits of Juris     | sdiction based on    |                   |                         |   |                         |
| 2. Non-Regul        | ated Waters/Wet      | lands:            |                         |   |                         |
| _                   |                      |                   | etlands were assessed   | d and determined no                         | t to be jurisdictional: |
| Drainage            | is ephemeral and     | does not qual     | ify as a TNW or RPW.    | Therefore, this drain                       | nage could only be      |
|                     | •                    | •                 | significant nexus with  | a downstream TNW                            | /. This drainage does   |
| not posse           | ess a significant ne | exus with the d   | lownstream TNW.         |   |                         |
| SECTION III: CWA    |                      |                   |                         |   |                         |
| A. TNWs AND W       | VETLANDS ADJACE      | ENT TO TNWs       |                         |   |                         |
| 1. Identified       | TNW:                 |                   |                         |   |                         |
| Rationale fo        | r TNW determina      | tion:             |                         |   |                         |
| 2. Rationale        | for conclusion tha   | nt any wetland:   | s present are "adjacer  | nt":  |                         |
| B. CHARACTERIS      | STICS OF NON-TN'     | W TRIBUTARY       | AND ITS ADJACENT W      | ETLANDS                                     |                         |
| TNW Waters          | hed Size (sq mi):    | 49650             | Tributaries flov        | v to TNW:                                   | 4                       |
| Drainage Are        |                      | 0.00040           |                         | m tributary to TNW:                         | 30 (or more)            |
| _                   | ual Rainfall (in):   | 8.5               |                         | m tributary to RPW:                         | 201                     |
| Average Ann         | ual Snowfall (in):   | 0                 |                         | om tributary to TNW<br>om tributary to RPW: |                         |
| ☐ Project w         | aters cross or serv  | ve as state bou   |                         |   |                         |

Feature ID: 16D

| Identify flow route to                                |                              |                                |  |   |
|---|------------------------------|--------------------------------|--|---|
| •   |                              | •                              | Area are ultimately tributary to the Santa Rosa Wash. To ial flow is Santa Rosa Wash to the Santa Cruz Wash to the | , |
| Tributary is: Natural                                 |                              | Explain:                       |  |   |
| Average Width (ft):                                   | 6.21                         |                                |  |   |
| Average Depth (ft):                                   | 1                            |                                |  |   |
| Average Side Slopes:                                  | 2:1                          |                                |  |   |
| Primary tributary sub                                 | strate                       | compositio                     | (check all that apply):  |   |
| ✓ Silts □ Sands                                       |                              | composition  Cobbles  Other, E | ☐ Bedrock ☑ Gravel ☐ Vegetation  |   |
| ✓ Silts ☐ Sands                                       | s □<br>∕uck                  | Cobbles<br>Other, E            | ☐ Bedrock ☑ Gravel ☐ Vegetation  |   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Fributary Condition/S | s □<br>Muck<br>Stabilit      | Cobbles Other, E               | ☐ Bedrock ☑ Gravel ☐ Vegetation  plain:  Stable  |   |
| ✓ Silts ☐ Sands                                       | Muck<br>Stability<br>le/Pool | Cobbles Other, E               | ☐ Bedrock ☑ Gravel ☐ Vegetation  plain:  Stable  Explain: Not Present  |   |

| (c) Flow:                       |                      |              |  |              |           |               |  |
|---------------------------------|----------------------|--------------|--|--------------|-----------|---------------|--|
| Tributary Provides for:         | Ephemeral Flow       | Average      | Flow Eve   | ents per ye  | ar:       | 2-5           |  |
| Describe Flow Regime:           | Ephemeral            | Other Inf    | ormatic  | n on Durat   | ion and   | Volume:       |  |
| Surface Flow is:                | Confined             | Characte     | ristics:   |              |           |               |  |
| Subsurface Flow:                | No                   | Explain:     |  |              |           |               |  |
| Tributary Has:                  |                      |              |  |              |           |               |  |
| $\square$ Bed and Banks         |                      |              |  |              |           |               |  |
| ✓ OHWM: OHWM Inc                | licators:            |              |  |              |           |               |  |
| $\square$ Clear, natural line i | mpressed on the bank | : □ <b>ν</b> | egetati  | on matted    | down, b   | ent or absent |  |
| Changes in soil cha             | racter               |              | eaf litte  | r disturbed  | or wasl   | ned away      |  |
| ☐ Shelving                      |                      | □ P          | resence  | of litter ar | nd debri  | S             |  |
| ☐ Sediment deposition           | on                   | ✓ [          | estruct  | ion of terre | strial ve | getation      |  |
| Sediment sorting                |                      |              | ☐ Abrupt change in plant community                   |              |           |               |  |
| ☐ Scour                         |                      |              | $\square$ Multiple observed or predicted flow events |              |           |               |  |
| ☐ Presence of wrack             | line                 | □ V          | Vater st   | aining       |           |               |  |
| Other (list):                   |                      |              |  |              |           |               |  |
| ☐ Discontinuous? Ex             | xplain:              |              |  |              |           |               |  |
| (iii) Chemical Characteris      | tics:                |              |  |              |           |               |  |
| Characterize Tributar           | γ:                   |              |  |              |           |               |  |
| Identify Specific Pollu         |                      |              |  |              |           |               |  |
| <br>                            |                      |              |  |              |           |               |  |
|                                 |                      |              |  |              |           |               |  |
|                                 |                      |              |  |              |           |               |  |
|                                 |                      |              |  |              |           |               |  |

| iv) Biological Characterist   | ics. Channel supports (check all that apply):                                    |
|---|--|
| ☐ Riparian Corridor(  | Characteristics:   |
| ☐ Wetland Fringe Ch   | aracteristics:   |
| Habitat for:  |  |
| ☐ Federally Listed Spe  | ecies Explain:   |
| ☐ Fish/Spawn Areas  | Explain:   |
| • •   | ally -sensitive species Explain:   |
| ☐ Aquatic/Wildlife div  | versity Explain:   |
|   | and a discount to your TANA/ About floor discounts on its discounts in the TANA/ |
| <ol><li>Characteristics of wetla<br/>(i) Physical Characteristics</li></ol>                 | ands adjacent to non-TNW that flow directly or indirectly into TNW :             |
| Wetland Size (ac):  | Wetland Type, Explain:   |
| Wetland Quality, Expla  | ain:   |
| Project Wetlands Cros   | ss or Serve as State Boundaries, Explain:  |
| Wetland Flow is:  | Explain:   |
| Surface Flow is:  | Characteristics:   |
| Subsurface Flow:  | Explain Findings:  |
| ☐ Wetland Directly Al   | outting Non-TNW  |
| ☐ Wetland Not Direct  | :ly Abutting Non-TNW   |
| ☐ Discrete wetland  | hydrologic connection Explain:   |
| ☐ Ecologcal connec  | ction Explain:   |
| $\square$ Separated by ber  | rm/barrier Explain:  |
| Project Wetlands: Rive  | er Miles from TNW:   |
| Project Wetlands: Aer   | ial Miles from TNW:  |
| Flow is From:   |  |
| Approximate Location  | of Wetland within Floodplain:  |
| (ii) Chemical Characteristic  | CS:  |
| Characterize Wetland  | System:  |
|   |  |
| -   | cics. Wetland supports (check all that apply):                                   |
| ☐ Riparian Buffer E   | ·  |
|   | ercent cover. Explain:   |
| Habitat for:  |  |
| ☐ Federally Listed S  | ·  |
| ☐ Fish/Spawn Area   | ·  |
|   | entally-sensitive species Explain:   |
|   | Diversity Explain:   |
| ☐ Aquatic/Wildlife  |  |
| $\square$ Aquatic/Wildlife  | etlands adjacent to the non-TNW tributary (if any)                               |
| ☐ Aquatic/Wildlife  3. Characteristics of all we  | red in cumulative analysis:  |
| <ul><li>Aquatic/Wildlife</li><li>Characteristics of all we All wetland(s) conside</li></ul> |  |

|  | <b>NEXUS DET</b>  | ERMINATION   | J   |  |  |   |
|--|---|--|---|--|--|---|
| 1. Significant into TNW. Ex  |   | ngs for non-R  | PW that has no  | adjacent wetland   | s and flows dire   | ectly or indirectly   |
| between Pow<br>discharges, in<br>downstream<br>possibility of<br>critical habita<br>does not pro-<br>drainage doe<br>biological inte | vers Butte ar<br>n combinatio<br>manmade in<br>a hydrologic<br>ats were iden<br>vide lifecycle<br>s not have m<br>egrity of the | nd Gillespie Don with the geompoundment connection be attituded within esupport function than a spray. TNW. Theref | eam. An analysis comorphology of (Tat Momolikot between this drathe Analysis Arections, nutrients peculative or instance. | of peak yearly disc<br>f the Analysis Area<br>t Dam), and the dis<br>ainage and the TNV<br>ea. Additionally, thi<br>s, or organic carbor<br>substantial effect o | harges and poto, the presence of tance to the TN V is tenuous. No s unnamed ephoto species with the physical, chage does not p | of a significant<br>W, suggests that the<br>o pollutants or<br>emeral drainage<br>nin the TNW. This |
| 2. Significant or indirectly   |   | •  | PW and its adja   | acent wetlands, wh   | nere the non-RP  | W flows directly  |
| 3. Significant Explain:  | : nexus findii  | ngs for wetla  | nds adjacent to   | an RPW but that o  | do not directly a  | abut the RPW.   |
|  |   |  |   |  |  |   |
|  |   |  | L FINDINGS. TH  | IE SUBJECT WATER   | S/WETLANDS A   | ARE   |
| 1. TNWs and  | Adjacent W  | etlands  |   |  |  |   |
| $\square$ TNWs:  |   | Linear Feet  |   | Width (ft), Or,  |  | Acres   |
| Wetland  | s adjacent to   | TNWs:  | Acres   |  |  |   |
| Reserved for   | Section III D   | 2 (RPWs):  |   |  |  |   |
| 3. Non-RPW   | s that flow d   | irectly or ind   | lirectly into TNV   | Vs.  |  |   |
| □ Nam TNIA   |   | waterbody tha<br>erfore jurisdio   |   | or indirectly into a   | TNW and has a  | signficant nexus  |
|  | · <b>-</b> +\.  |  | Width (feet):   | Ad   | cres:  |   |
|  | inear Feet):  |  | ,   |  |  |   |
| with a TN<br>Length (L   | ·   | ) 4 (Wetlands  | s directly abuttir  |  |  |   |
| with a TN<br>Length (L<br>Reserved fo  | r Section III [   | •  | s directly abuttir  |  | ing RPWs):   |   |
| with a TN<br>Length (L<br>Reserved fo<br>Reserved fo   | r Section III E<br>r Section III E  | D 5 (Wetlands  | s directly abuttir  | ng RPWs):  | •  |   |
| with a TN Length (L Reserved fo Reserved fo 6. Wetlands  Wetland   | r Section III E<br>r Section III E<br>adjacent to<br>adjacent to  | O 5 (Wetlands  | s directly abuttir<br>s adjacent to but<br>hat flow directly<br>hich, in combina  | ng RPWs):<br>t not directly abutt  | TNWs.  | adjacent wetlands,  |
| with a TN Length (L Reserved fo Reserved fo 6. Wetlands Wetland has a sign   | r Section III E<br>r Section III E<br>adjacent to<br>adjacent to<br>nificant nexu   | O 5 (Wetlands<br>non-RPWs the<br>non-RPWs what with the TN   | s directly abuttir<br>s adjacent to but<br>hat flow directly<br>hich, in combina  | ng RPWs): t not directly abutt y or indirectly into ation with the tribu   | TNWs.  | adjacent wetlands,  |
| with a TN Length (L Reserved fo Reserved fo 6. Wetlands Wetland has a sig Estimate   | r Section III E<br>r Section III E<br>adjacent to<br>adjacent to<br>nificant nexu   | O 5 (Wetlands<br>non-RPWs the<br>non-RPWs what with the TN   | s directly abuttires adjacent to but hat flow directly hich, in combination.  | ng RPWs): t not directly abutt y or indirectly into ation with the tribu   | TNWs.  | adjacent wetlands,  |
| with a TN Length (L Reserved fo Reserved fo 6. Wetlands Wetland has a sign Estimate 7. Impound                                       | r Section III E<br>r Section III E<br>adjacent to<br>adjacent to<br>nificant nexu   | O 5 (Wetlands<br>non-RPWs the<br>non-RPWs what with the TN<br>sdictional we<br>isdictional wa                      | s directly abuttires adjacent to but hat flow directly hich, in combination.  | ng RPWs): t not directly abutt y or indirectly into ation with the tribu   | TNWs.  | adjacent wetlands,  |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 16D                                       |                       |                   |                                       |          |
|---|-----------------------|-------------------|---------------------------------------|----------|
| As described in Section 30 possess a significant nexu | •                     | •                 | meral drainage determined that it did | not      |
| Explain finding of Other:                             |                       |                   |                                       |          |
| ✓ Non-wetland waters                                  | 1811.49 I             | inear feet (ft),  | 6.21 width (ft)                       |          |
| <ul><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   |                       | acres             |                                       |          |
| □ wetlands  |                       | acres             |                                       |          |
| SECTION IV: DATA SOURCES                              |                       |                   |                                       |          |
|   |                       |                   | sultant: WestLand Resources, Inc.     |          |
| ✓ Data Sheets Prepared                                |                       | nalf of Applicant |                                       |          |
| Office Concurs wit                                    |                       |                   |                                       |          |
| Office Does Not Co                                    |                       | tion              |                                       |          |
| ☐ Data Sheets Prepared                                |                       |                   |                                       |          |
| Corps Navigable Wate                                  | •                     |                   |                                       |          |
| ☐ US Geological Survey☐ USGS NHD Data                 | Hydrologic Atlas      |                   |                                       |          |
|   |                       |                   |                                       |          |
| ☐ USGS 8 and 12 dig                                   | it HUC Map            |                   |                                       |          |
| US Geological Survey                                  | Map(s) Scale and      | Quad Name:        |                                       |          |
| Silver Reef Mount                                     | ains SE, North Kon    | nelik, and Santa  | Rosa Mountains NW 7.5-Minute Qua      | drangles |
| ☐ USDA Nat'l Res Conse                                | rvation Service Soi   | l Survey Citat    | ion:                                  |          |
| ☐ National Wetlands Inv                               |                       | ite Map Name:     |                                       |          |
| ☐ State/Local Wetland I                               |                       | ·                 |                                       |          |
| ☐ FEMA/FIR Maps                                       |                       |                   |                                       |          |
| ☐ 100-year Floodplain E                               | levation is:          |                   | (National Geodetic Vertical Datum     | of 1929) |
| Aerial Photographs (                                  | Name and Date):       | BING, Microsof    | ft Virtual Earth 2008                 |          |
| Other Photographs                                     | Name and Date):       | Ground Photos     | ; May 2012                            |          |
| ☐ Previous Determination                              | ons File No. and      | Date of Respons   | se Letter:                            |          |
| Applicable/Supporting                                 |                       |                   |                                       |          |
| Applicable/Supporting                                 | s Scientific Literatu | re Citation:      |                                       |          |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION   |                          |
|---|--------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |                          |
| B. District Office and File No: Los Angeles District, File No. Pending  |                          |
| C. Project Location and Background Information: Drainage Feature 16D1   |                          |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Countie   | s, Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |                          |
| Name of nearest waterbody: Unnamed Wash 16D1  |                          |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam   | n                        |
| HUC Code: 15050306  |                          |
| ✓ Map/Diagram of potential jurisdictional area is available on request  |                          |
| D. Review Performed for Site Evaluation:  |                          |
| Office Determination. Date:   |                          |
| Field Determination. Date: 05/2012  |                          |
| SECTION II: SUMMARY OF FINDINGS   |                          |
| A. RHA Section 10 Determination of Jurisdiction   |                          |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.   |                          |
| B. CWA Section 404 Determination of Jurisdiction  |                          |
| <b>There Are No</b> "waters of the U.S." within CWA jurisdiction in the review area.  |                          |
| 1. Waters of the US:  |                          |
| Linear Feet Width (ft) and/or Acres   |                          |
| Limits of Jurisdiction based on:  |                          |
| 2. Non-Regulated Waters/Wetlands:   |                          |
| ✓ Potentially jurisdictional waters and/or wetlands were assessed and determined n  | ot to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drai considered jurisdictional if it possessed a significant nexus with a downstream TNV not possess a significant nexus with the downstream TNW. | •                        |
| SECTION III: CWA ANALYSIS   |                          |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |                          |
| 1. Identified TNW:  |                          |
| Rationale for TNW determination:  |                          |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |                          |
|   |                          |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS   |                          |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4<br>20 (or more)        |
| Drainage Area (sq mi): 0.00035 River Miles from tributary to TNW Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW  |                          |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW  |                          |
| Aerial Miles from tributary to RPW  |                          |
| ☐ Project waters cross or serve as state boundaries. Explain:   |                          |

Feature ID: 16D1

| _                     |                              | the Analysis            | s Area are ultimately tributary to the Santa Rosa Wash. Topography<br>Itial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|-----------------------|------------------------------|-------------------------|--|
| Tributary is: Natural |                              | Explain:                |  |
| Average Width (ft):   | 5.93                         |                         |  |
| Average Depth (ft):   | 1                            |                         |  |
| Average Side Slopes:  | 2:1                          |                         |  |
|                       |                              | C . I. I. I             | Dadwalk Cravel Verstation  |
|                       | s □<br>Muck                  | Cobbles<br>Other, E     | ☐ Bedrock ☑ Gravel ☐ Vegetation  Explain:  |
|                       | Лиск                         | Other, E                | ŭ  |
| ☐ Concrete ☐ N        | Muck<br>Stability            | Other, E<br>y. Explain: | Explain: Stable  |
| ☐ Concrete ☐ M        | Muck<br>Stability<br>le/Pool | Other, E<br>y. Explain: | Stable s. Explain: Not Present   |

| (c) Flow:                       |                      |             |  |              |           |               |  |
|---------------------------------|----------------------|-------------|--|--------------|-----------|---------------|--|
| Tributary Provides for:         | Ephemeral Flow       | Average     | Flow Ev                                      | ents per ye  | ar:       | 2-5           |  |
| Describe Flow Regime:           | Ephemeral            | Other Inf   | ormatic                                      | n on Durat   | ion and   | Volume:       |  |
| Surface Flow is:                | Confined             | Characte    | ristics:                                     |              |           |               |  |
| Subsurface Flow:                | No                   | Explain:    |  |              |           |               |  |
| Tributary Has:                  |                      |             |  |              |           |               |  |
| ☐ Bed and Banks                 |                      |             |  |              |           |               |  |
| ✓ OHWM: OHWM Inc                | dicators:            |             |  |              |           |               |  |
| $\square$ Clear, natural line i | mpressed on the bank | . □ V       | egetati                                      | on matted (  | down, b   | ent or absent |  |
| ✓ Changes in soil cha           | racter               |             | eaf litte                                    | r disturbed  | or wasl   | ned away      |  |
| ☐ Shelving                      |                      | □ P         | resence                                      | of litter an | ıd debri  | S             |  |
| ☐ Sediment deposition           | on                   | <b>V</b>    | estruct                                      | ion of terre | strial ve | egetation     |  |
| Sediment sorting                |                      |             | ☐ Abrupt change in plant community           |              |           |               |  |
| ☐ Scour                         |                      |             | ☐ Multiple observed or predicted flow events |              |           |               |  |
| ☐ Presence of wrack             | line                 | $\square$ V | Vater st                                     | aining       |           |               |  |
| Other (list):                   |                      |             |  |              |           |               |  |
| ☐ Discontinuous? Ex             | cplain:              |             |  |              |           |               |  |
| (iii) Chemical Characteris      | tics                 |             |  |              |           |               |  |
| •                               |                      |             |  |              |           |               |  |
| Characterize Tributa            |                      |             |  |              |           |               |  |
| Identify Specific Poll          | utants, if known:    |             |  |              |           |               |  |
|                                 |                      |             |  |              |           |               |  |
|                                 |                      |             |  |              |           |               |  |
|                                 |                      |             |  |              |           |               |  |
|                                 |                      |             |  |              |           |               |  |

| Feature ID: 16D1  |   |
|---|---|
| (iv) Biological Characteristics. Channel sup  | pports (check all that apply):  |
| ☐ Riparian Corridor Characteristics: ☐ Wetland Fringe Characteristics:  |   |
| Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally -sensitive space Aquatic/Wildlife diversity Explain:  | ·   |
|   | non-TNW that flow directly or indirectly into TNW                               |
| (i) Physical Characteristics: Wetland Size (ac):  | Watland Type Evalain:   |
| Wetland Quality, Explain:   | Wetland Type, Explain:  |
| Project Wetlands Cross or Serve as Sta  | ate Boundaries. Explain:  |
| Wetland Flow is:  | Explain:  |
| Surface Flow is:  | Characteristics:  |
| Subsurface Flow:  | Explain Findings:   |
| <ul> <li>□ Wetland Directly Abutting Non-TNV</li> <li>□ Wetland Not Directly Abutting Non</li> <li>□ Discrete wetland hydrologic con</li> <li>□ Ecological connection Explain:</li> <li>□ Separated by berm/barrier Expl</li> <li>Project Wetlands: River Miles from TN</li> <li>Project Wetlands: Aerial Miles from T</li> <li>Flow is From:</li> <li>Approximate Location of Wetland wit</li> <li>(ii) Chemical Characteristics:</li> </ul> | nection Explain: ain: NW: NW:   |
| Characterize Wetland System:  |   |
| (iii) Biological Characteristics. Wetland su  | pports (check all that apply):  |
| ☐ Riparian Buffer Explain:  |   |
| ☐ Vegetation type/percent cover. Ex   |   |
| ☐ Federally Listed Species Explain ☐ Fish/Spawn Areas Explain: ☐ Other environmentally-sensitive  | species Explain:  |
| ☐ Aquatic/Wildlife Diversity Expl   |   |
| 3. Characteristics of all wetlands adjacen  |   |
| All wetland(s) considered in cumulativ  | ·   |
| Wetland acres in total being considere  | •   |
| Describe each wetland (directly abuts   | tributary?; size in acres; overall biological, chemical or physical functions): |

| . SIGNIFICAN I  | NEXUS DETERMINATION   |
|---|---|
| 1. Significant into TNW. Ex   | nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly kplain:   |
| between Pow<br>discharges, in<br>downstream<br>possibility of<br>critical habita<br>does not pro-<br>drainage doe<br>biological inte          | dephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River wers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood a combination with the geomorphology of the Analysis Area, the presence of a significant manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or its were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage wide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This is not have more than a speculative or insubstantial effect on the physical, chemical, and/or egrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant the TNW reach of the Gila River between Powers Butte and Gillespie Dam. |
| •   | nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly into TNW. Explain:   |
| 3. Significant Explain:   | nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| 1. TNWs and   | Adjacent Wetlands   |
| ☐ TNWs: ☐ Wetland   | Adjacent Wetlands  Linear Feet Width (ft), Or, Acres s adjacent to TNWs: Acres  Section III D 2 (RPWs):   |
| ☐ TNWs: ☐ Wetland Reserved for  | Linear Feet Width (ft), Or, Acres s adjacent to TNWs: Acres   |
| ☐ TNWs: ☐ Wetland Reserved for  3. Non-RPWs ☐ Non-TNW with a TN   | Linear Feet Width (ft), Or, Acres s adjacent to TNWs: Acres Section III D 2 (RPWs):   |
| ☐ TNWs: ☐ Wetland Reserved for  3. Non-RPWs ☐ Non-TNW with a TN Length (L   | Linear Feet Width (ft), Or, Acres s adjacent to TNWs: Acres Section III D 2 (RPWs): s that flow directly or indirectly into TNWs. //non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus W, and is therfore jurisdictional.  |
| ☐ TNWs: ☐ Wetland Reserved for  3. Non-RPWs ☐ Non-TNW with a TN Length (L Reserved for  | Linear Feet Width (ft), Or, Acres  s adjacent to TNWs: Acres  Section III D 2 (RPWs):  s that flow directly or indirectly into TNWs.  //non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus  W, and is therfore jurisdictional.  inear Feet): Width (feet): Acres:  |
| ☐ TNWs: ☐ Wetland Reserved for  3. Non-RPWs ☐ Non-TNW with a TN Length (L Reserved fo Reserved fo   | Linear Feet Width (ft), Or, Acres  s adjacent to TNWs: Acres  Section III D 2 (RPWs):  s that flow directly or indirectly into TNWs.  //non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus W, and is therfore jurisdictional. inear Feet): Width (feet): Acres:  r Section III D 4 (Wetlands directly abutting RPWs):  |
| □ TNWs: □ Wetland Reserved for  3. Non-RPWs □ Non-TNW with a TN Length (L Reserved fo Reserved fo 6. Wetlands □ Wetland has a sign            | Linear Feet Width (ft), Or, Acres  s adjacent to TNWs: Acres  Section III D 2 (RPWs):  s that flow directly or indirectly into TNWs.  //non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus  W, and is therfore jurisdictional.  inear Feet): Width (feet): Acres:  r Section III D 4 (Wetlands directly abutting RPWs):  r Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  adjacent to non-RPWs that flow directly or indirectly into TNWs.  adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, nificant nexus with the TNW.   |
| ☐ TNWs: ☐ Wetland Reserved for  3. Non-RPWs ☐ Non-TNW with a TN Length (L Reserved fo Reserved fo 6. Wetlands ☐ Wetland has a sign Estimate   | Linear Feet Width (ft), Or, Acres  s adjacent to TNWs: Acres  Section III D 2 (RPWs):  s that flow directly or indirectly into TNWs.  I/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus  W, and is therfore jurisdictional.  inear Feet): Width (feet): Acres:  r Section III D 4 (Wetlands directly abutting RPWs):  r Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  adjacent to non-RPWs that flow directly or indirectly into TNWs.  adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands,  |
| □ TNWs: □ Wetland Reserved for  3. Non-RPWs □ Non-TNW with a TN Length (L Reserved fo Reserved fo 6. Wetlands has a sign Estimate 7. Impounds | Linear Feet   |
| □ TNWs: □ Wetland Reserved for  3. Non-RPWs □ Non-TNW with a TN Length (L Reserved fo Reserved fo 6. Wetlands has a sign Estimate 7. Impounds | Linear Feet   |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 16D1   |                   |                     |             |                |                    |  |
|--|-------------------|---------------------|-------------|----------------|--------------------|--|
| As described in Section 3C possess a significant nexus                     | •                 | •                   | eral draina | ge determined  | that it did not    |  |
| Explain finding of Other:  |                   |                     |             |                |                    |  |
| ✓ Non-wetland waters   | 1626.73           | linear feet (ft),   | 5.93        | width (ft)     |                    |  |
| Other waters   |                   | acres               |             |                |                    |  |
| ☐ Wetlands   |                   | acres               |             |                |                    |  |
| SECTION IV: DATA SOURCES   |                   |                     |             |                |                    |  |
| Maps, Plans, Plots or P  | lat Submitted by  | Applicant/Cons      | ultant: W   | estLand Resou  | rces, Inc.         |  |
| ✓ Data Sheets Prepared/  |                   | half of Applicant   |             |                |                    |  |
| ☐ Office Concurs with☐ Office Does Not Co                                  |                   | ation               |             |                |                    |  |
| <u></u>  |                   | шоп                 |             |                |                    |  |
| <ul><li>☐ Data Sheets Prepared I</li><li>☐ Corps Navigable Water</li></ul> |                   |                     |             |                |                    |  |
| ☐ US Geological Survey F   | •                 |                     |             |                |                    |  |
| USGS NHD Data  | , ,               |                     |             |                |                    |  |
| $\square$ USGS 8 and 12 digi   | t HUC Map         |                     |             |                |                    |  |
| ✓ US Geological Survey N   | Map(s) Scale and  | d Quad Name:        |             |                |                    |  |
|  | -                 |                     | Rosa Mouni  | tains NW 7.5-M | Minute Quadrangles |  |
| ☐ USDA Nat'l Res Conser  | vation Service Sc | oil Survey Citation | on:         |                |                    |  |
| ☐ National Wetlands Inve   |                   | Cite Map Name:      |             |                |                    |  |
| ☐ State/Local Wetland In   | ventory Maps      |                     |             |                |                    |  |
| ☐ FEMA/FIR Maps  |                   |                     |             |                |                    |  |
| ☐ 100-year Floodplain El   |                   |                     | · ·         |                | cal Datum of 1929) |  |
| ✓ Aerial Photographs (I  |                   |                     |             | th 2008        |                    |  |
| ✓ Other Photographs (I   | -                 |                     |             |                |                    |  |
| <ul><li>Previous Determinatio</li><li>Applicable/Supporting</li></ul>      |                   |                     | e Letter:   |                |                    |  |
| ☐ Applicable/Supporting  |                   |                     |             |                |                    |  |

Other Information, Please Specify: Additional Comments to Support JD:

| A REDOLL COMPLETION DATE FOR ANN  | roved Jurisdictional Determination:  | 07/30/2012   |
|---|--|--|
| B. District Office and File No: Los   |  | 07/30/2012   |
| C. Project Location and Background  | Information: Drainage Feature 17   |  |
| City, County, State Sif Oidak Dis   | strict, Tohono O'odham Nation, Pima  |  |
| Center coordinates of site: Lat. 3  | 32.5073 Long111.9100   |  |
| Name of nearest waterbody: Unr  | named Wash 17  |  |
| Name of nearest downstream TNV  | V: Gila River between Powers Butte   | and Gillespie Dam  |
| HUC Code: 15050306  |  |  |
| ✓ Map/Diagram of potential juriso   | dictional area is available on request   |  |
| D. Review Performed for Site Evalu  | ation:   |  |
| Office Determination. Date:   |  |  |
| Field Determination. Date: 05/2   | 2012   |  |
| SECTION II: SUMMARY OF FINDING  | <b>3</b> 0   |  |
| A. RHA Section 10 Determination   |  |  |
|   | of the U.S." within RHA jurisdiction in  | n the review area.   |
| B. CWA Section 404 Determinatio   | n of Jurisdiction  |  |
|   | e U.S." within CWA jurisdiction in the   | review area.   |
| 1. Waters of the US:  |  |  |
| Linear Feet   | Width (ft) and/or  | Acres  |
| Limits of Jurisdiction based on:  |  |  |
| 2. Non-Regulated Waters/Wetl  | ands:  |  |
|   |  | and determined not to be jurisdictional                                  |
| considered jurisdictional if  |  | nerefore, this drainage could only be downstream TNW. This drainage does |
| not possess a significant ne  | xus with the downstream TNW.   |  |
|   |  |  |
| SECTION III: CWA ANALYSIS   |  |  |
| SECTION III: CWA ANALYSIS  A. TNWs AND WETLANDS ADJACE  | NT TO TNWs   |  |
| SECTION III: CWA ANALYSIS  A. TNWs AND WETLANDS ADJACE  1. Identified TNW:  |  |  |
| SECTION III: CWA ANALYSIS  A. TNWs AND WETLANDS ADJACE  |  |  |
| SECTION III: CWA ANALYSIS  A. TNWs AND WETLANDS ADJACE  1. Identified TNW:  Rationale for TNW determinat  |  | ':   |
| SECTION III: CWA ANALYSIS  A. TNWs AND WETLANDS ADJACE  1. Identified TNW:  Rationale for TNW determinat  2. Rationale for conclusion tha   | ion:   |  |
| SECTION III: CWA ANALYSIS  A. TNWs AND WETLANDS ADJACE  1. Identified TNW:  Rationale for TNW determinat  2. Rationale for conclusion tha   | ion:<br>t any wetlands present are "adjacent'  | LANDS  |
| SECTION III: CWA ANALYSIS  A. TNWs AND WETLANDS ADJACE  1. Identified TNW:  Rationale for TNW determinat  2. Rationale for conclusion tha  B. CHARACTERISTICS OF NON-TNV  | ion: t any wetlands present are "adjacent' W TRIBUTARY AND ITS ADJACENT WET 49650 Tributaries flow t   | LANDS  |
| SECTION III: CWA ANALYSIS  A. TNWS AND WETLANDS ADJACE  1. Identified TNW:  Rationale for TNW determinat  2. Rationale for conclusion tha  B. CHARACTERISTICS OF NON-TNV TNW Watershed Size (sq mi): Drainage Area (sq mi): Average Annual Rainfall (in): | t any wetlands present are "adjacent"  W TRIBUTARY AND ITS ADJACENT WET  49650 Tributaries flow to  0.00459 River Miles from  8.5 River Miles from                   | TLANDS to TNW: tributary to TNW:  4 30 (or more) tributary to RPW:       |
| SECTION III: CWA ANALYSIS  A. TNWs AND WETLANDS ADJACE  1. Identified TNW:  Rationale for TNW determinat  2. Rationale for conclusion tha  B. CHARACTERISTICS OF NON-TNV TNW Watershed Size (sq mi): Drainage Area (sq mi):                               | t any wetlands present are "adjacent"  N TRIBUTARY AND ITS ADJACENT WET  49650 Tributaries flow to 0.00459 River Miles from 8.5 River Miles from 0 Aerial Miles from | TLANDS to TNW: 4 tributary to TNW: 30 (or more)                          |

Feature ID: 17

| eature ID: 17          |  |
|------------------------|--|
| Identify flow route to | TNW:   |
|                        | vithin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography ely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural  | Explain:   |
| Average Width (ft):    | 11.56  |
| Average Depth (ft):    | 1  |
| Average Side Slopes:   | 2:1  |
| ✓ Silts ☐ Sands        | strate composition (check all that apply):   Cobbles Dedrock Gravel Vegetation  Suck Other, Explain:   |
| Tributary Condition/S  | tability. Explain: Stable  |
| •                      | e/Pool Complexes. Explain: Not Present   |
| Tributary Geometry:    | Relatively Straight  |
| Tributary Gradient (a) | oproximate average slope): 2%  |
|                        |  |

| (c) Flow:                               |                      |                         |  |              |            |               |  |  |
|---|----------------------|-------------------------|--|--------------|------------|---------------|--|--|
| Tributary Provides for:                 | Ephemeral Flow       | Average                 | Average Flow Events per year: 2-5            |              |            |               |  |  |
| Describe Flow Regime:                   | Ephemeral            | hemeral Other Informati |  |              |            | Volume:       |  |  |
| Surface Flow is:                        | Confined             | Characte                | Characteristics:                             |              |            |               |  |  |
| Subsurface Flow:                        | No                   | Explain:                |  |              |            |               |  |  |
| Tributary Has:                          |                      |                         |  |              |            |               |  |  |
| ☐ Bed and Banks                         |                      |                         |  |              |            |               |  |  |
| ✓ OHWM: OHWM Inc                        | dicators:            |                         |  |              |            |               |  |  |
| $\square$ Clear, natural line i         | mpressed on the banl | · □ \                   | /egetatio                                    | on matted    | down, b    | ent or absent |  |  |
| ✓ Changes in soil cha                   | racter               |                         | -  | r disturbed  |            |               |  |  |
| ☐ Shelving                              |                      | □ F                     | resence                                      | of litter a  | nd debri   | S             |  |  |
| ☐ Sediment deposition                   | on                   | <b>✓</b> [              | Destructi                                    | ion of terre | estrial ve | egetation     |  |  |
| Sediment sorting                        |                      |                         | ☐ Abrupt change in plant community           |              |            |               |  |  |
| ☐ Scour                                 |                      |                         | ☐ Multiple observed or predicted flow events |              |            |               |  |  |
| ☐ Presence of wrack                     | line                 | □ <b>\</b>              | Water sta                                    | aining       |            |               |  |  |
| Other (list):                           |                      |                         |  |              |            |               |  |  |
| ☐ Discontinuous? Ex                     | xplain:              |                         |  |              |            |               |  |  |
| (iii) Chemical Characteris              | tics:                |                         |  |              |            |               |  |  |
| Characterize Tributai                   | ry:                  |                         |  |              |            |               |  |  |
| Identify Specific Pollu                 | •                    |                         |  |              |            |               |  |  |
| , | ,                    |                         |  |              |            |               |  |  |
|   |                      |                         |  |              |            |               |  |  |
|   |                      |                         |  |              |            |               |  |  |
|   |                      |                         |  |              |            |               |  |  |

| Feature ID: 17   |         |
|--|---------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                      |         |
| Riparian Corridor Characteristics:   |         |
| ☐ Wetland Fringe Characteristics:  |         |
| Habitat for:   |         |
| ☐ Federally Listed Species Explain:  |         |
| ☐ Fish/Spawn Areas Explain:  |         |
| ☐ Other environmentally -sensitive species   |         |
| ☐ Aquatic/Wildlife diversity Explain:  |         |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                   |         |
| (i) Physical Characteristics:  |         |
| Wetland Size (ac): Wetland Type, Explain:  |         |
| Wetland Quality, Explain:  |         |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |         |
| Wetland Flow is: Explain:  |         |
| Surface Flow is: Characteristics:  |         |
| Subsurface Flow: Explain Findings:   |         |
| ☐ Wetland Directly Abutting Non-TNW  |         |
| ☐ Wetland Not Directly Abutting Non-TNW  |         |
| ☐ Discrete wetland hydrologic connection Explain:  |         |
| ☐ Ecological connection Explain:   |         |
| ☐ Separated by berm/barrier Explain:   |         |
| Project Wetlands: River Miles from TNW:  |         |
| Project Wetlands: Aerial Miles from TNW:   |         |
| Flow is From:  |         |
| Approximate Location of Wetland within Floodplain:   |         |
| (ii) Chemical Characteristics:   |         |
| Characterize Wetland System:   |         |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                     |         |
| ☐ Riparian Buffer Explain:   |         |
| ☐ Vegetation type/percent cover. Explain:  |         |
| Habitat for:   |         |
| ☐ Federally Listed Species Explain:  |         |
| ☐ Fish/Spawn Areas Explain:  |         |
| Other environmentally-sensitive species Explain:   |         |
| ☐ Aquatic/Wildlife Diversity Explain:  |         |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                  |         |
| All wetland(s) considered in cumulative analysis:  |         |
| Wetland acres in total being considered in cumulative analysis:  |         |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fund | tions): |
|  |         |
|  |         |
|  |         |

|   | ERMINATION   |
|---|--|
|   | ngs for non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| This unnamed ephemeral between Powers Butte an discharges, in combination downstream manmade im possibility of a hydrologic critical habitats were iden does not provide lifecycle drainage does not have metal biological integrity of the | drainage is located more than 100 river miles from the nearest TNW, the Gila River of Gillespie Dam. An analysis of peak yearly discharges and potential flood in with the geomorphology of the Analysis Area, the presence of a significant inpoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the connection between this drainage and the TNW is tenuous. No pollutants or utified within the Analysis Area. Additionally, this unnamed ephemeral drainage support functions, nutrients, or organic carbon to species within the TNW. This lore than a speculative or insubstantial effect on the physical, chemical, and/or TNW. Therefore, this unnamed ephemeral drainage does not possess a significant in of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findir or indirectly into TNW. Ex  | ngs for non-RPW and its adjacent wetlands, where the non-RPW flows directly kplain:  |
| 3. Significant nexus findir<br>Explain:   | ngs for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| 1. TNWs and Adjacent Wo   | Linear Feet Width (ft), Or, Acres  |
| Wetlands adjacent to<br>Reserved for Section III D  |  |
| 3. Non-RPWs that flow di  | irectly or indirectly into TNWs.   |
|   | vaterbody that flows directly or indirectly into a TNW and has a signficant nexus  |
| Length (Linear Feet):   | Width (feet): Acres:   |
| Reserved for Section III D  | 9 4 (Wetlands directly abutting RPWs):   |
| Reserved for Section III D  | 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| 6. Wetlands adjacent to   | non-RPWs that flow directly or indirectly into TNWs.   |
| ☐ Wetland adjacent to nexu  | non-RPWs which, in combination with the tributary and other adjacent wetlands, s with the TNW.   |
| Editor to the Control   | sdictional wetland (in acres):   |
| Estimated size of juris   |  |
| 7. Impoundments of juris  | sdictional waters.   |
| _   |  |
| 7. Impoundments of juri  Demonstration of Juri  | isdiction:   |
| 7. Impoundments of juri  Demonstration of Juri  | uding isolated wetlands, the use, degradation or destruction of  |
| 7. Impoundments of juri  Demonstration of Juri ISOLATED WATERS, INCLU HICH COULD AFFECT INTE  | isdiction:  UDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF ERSTATE COMMERCE   |
| 7. Impoundments of juri  Demonstration of Juri ISOLATED WATERS, INCLU HICH COULD AFFECT INTE  Supporting rationale: Length (linear feet):   | isdiction:  UDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF ERSTATE COMMERCE  Acres:   |
| 7. Impoundments of juri  Demonstration of Juri ISOLATED WATERS, INCLU HICH COULD AFFECT INTE  Supporting rationale: Length (linear feet):   | Acres:  Aters, Including Wetlands:   |

| Feature ID: 17  |   |                             |            |                   |                 |  |
|---|---|-----------------------------|------------|-------------------|-----------------|--|
| As described in Section 30 possess a significant nexus  |   | •                           | al drainag | ge determined th  | at it did not   |  |
| Explain finding of Other:   |   |                             |            |                   |                 |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>  | 11079.81 line acr   | es                          | 11.56 v    | width (ft)        |                 |  |
| SECTION IV: DATA SOURCES  |   |                             |            |                   |                 |  |
| <ul> <li>✓ Maps, Plans, Plots or P</li> <li>✓ Data Sheets Prepared/</li> <li>☐ Office Concurs with</li> <li>☐ Office Does Not Co</li> <li>☐ Data Sheets Prepared</li> <li>☐ Corps Navigable Wate</li> </ul> | 'Submitted on behal <sup>i</sup><br>n delineation<br>ncur with delineatio<br>by the Corps | f of Applicant              | tant: We   | estLand Resource  | es, Inc.        |  |
| <ul><li>□ Corps Navigable Wate</li><li>□ US Geological Survey F</li><li>□ USGS NHD Data</li><li>□ USGS 8 and 12 dig</li></ul>   | lydrologic Atlas  |                             |            |                   |                 |  |
| ✓ US Geological Survey N<br>Silver Reef Mount   | Map(s) Scale and Q<br>ains SE, North Komel  |                             | sa Mount   | ains NW 7.5-Min   | ute Quadrangles |  |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul>   | entory Maps Cite  | urvey Citation<br>Map Name: |            |                   |                 |  |
| ☐ 100-year Floodplain El  | evation is:   | (                           | National   | Geodetic Vertical | Datum of 1929)  |  |
| Aerial Photographs (  |   |                             |            | th 2008           |                 |  |
| ✓ Other Photographs (   |   |                             |            |                   |                 |  |
| <ul><li>□ Previous Determinatio</li><li>□ Applicable/Supporting</li><li>□ Applicable/Supporting</li></ul>   | Case Law Citation   | :                           | etter:     |                   |                 |  |
| Other Information, Ple  | ase Specify:  |                             |            |                   |                 |  |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>                |                   |                                    |             |                      |
|---|------------------------------|-------------------|------------------------------------|-------------|----------------------|
| A. Report Completion Date for App   | oroved Jurisdiction          | onal Determinat   | ion: 07/30/2                       | 2012        |                      |
| B. District Office and File No: Los   | Angeles District,            | , File No. Pendin | g                                  |             |                      |
| C. Project Location and Background  | d Information:               | Drainage Featu    | ıre 17A                            |             |                      |
| City, County, State Sif Oidak Dis   | strict, Tohono O             | odham Nation,     | Pima and Pinal                     | Counties, A | rizona               |
| Center coordinates of site: Lat.  | 32.5073                      | Long111           | .9100                              |             |                      |
| Name of nearest waterbody: Un   | named Wash 17                | A                 |                                    |             |                      |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River bo             | etween Powers     | Butte and Gille                    | spie Dam    |                      |
| ✓ Map/Diagram of potential juris  | dictional area is            | available on req  | uest                               |             |                      |
| D. Review Performed for Site Evalu  | ation:                       |                   |                                    |             |                      |
| Office Determination. Date:   |                              |                   |                                    |             |                      |
| Field Determination. Date: 05/  | 2012                         |                   |                                    |             |                      |
| SECTION II: SUMMARY OF FINDIN   | GS                           |                   |                                    |             |                      |
| A. RHA Section 10 Determination   |                              |                   |                                    |             |                      |
| There Are No "navigable waters  | s of the U.S." wit           | :hin RHA jurisdic | tion in the revi                   | ew area.    |                      |
| B. CWA Section 404 Determination  | on of Jurisdiction           |                   |                                    |             |                      |
| There Are No "waters of the   | ne U.S." within C            | WA jurisdiction   | in the review a                    | rea.        |                      |
| 1. Waters of the US:  |                              |                   |                                    |             |                      |
| Linear Feet   | ,                            | Width (ft) and/o  | r                                  | Acres       |                      |
| Limits of Jurisdiction based on:  |                              |                   |                                    |             |                      |
| 2. Non-Regulated Waters/Wet   |                              | lands word asso   | ssed and deter                     | mined not t | o ha iuricdictional: |
| ✓ Potentially jurisdictional wa   |                              |                   |                                    |             | •                    |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a si            | gnificant nexus   | with a downstr                     | •           | •                    |
| SECTION III: CWA ANALYSIS   |                              |                   |                                    |             |                      |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs                  |                   |                                    |             |                      |
| 1. Identified TNW:  |                              |                   |                                    |             |                      |
| Rationale for TNW determinate   | ion:                         |                   |                                    |             |                      |
| 2. Rationale for conclusion tha   | it any wetlands <sub>l</sub> | oresent are "adja | acent":                            |             |                      |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY AI               | ND ITS ADJACEN    | T WETLANDS                         |             |                      |
| TNW Watershed Size (sq mi):   | 49650                        |                   | flow to TNW:                       |             | 4                    |
| Drainage Area (sq mi):  | 0.00047                      |                   | from tributary                     |             | 30 (or more)         |
| Average Annual Rainfall (in):   | 8.5                          |                   | from tributary                     |             | 30 (or more)         |
| Average Annual Snowfall (in):   | 0                            |                   | s from tributar<br>s from tributar | •           | 30 (or more)         |
| ☐ Project waters cross or serv  | ve as state boun             |                   |                                    | •           |                      |

Feature ID: 17A

| Unnamed                | _                         | within the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography ely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|------------------------|---------------------------|--|
| Average (<br>Average ( | ☐ Sands                   | strate composition (check all that apply):   |
| Presence<br>Tributary  | of Run/Riffl<br>Geometry: | Stability. Explain: Stable e/Pool Complexes. Explain: Not Present Relatively Straight pproximate average slope): 2%  |

| (c) Flow:                  |                      |  |   |              |            |               |  |
|----------------------------|----------------------|--|---|--------------|------------|---------------|--|
| Tributary Provides for:    | Ephemeral Flow       | Average Flow Events per year: 2-5                    |   |              |            |               |  |
| Describe Flow Regime:      | Ephemeral            | Other Inf  | Other Information on Duration and Volume: |              |            |               |  |
| Surface Flow is:           | Confined             | Characte   | ristics:                                  |              |            |               |  |
| Subsurface Flow:           | No                   | Explain:   |   |              |            |               |  |
| Tributary Has:             |                      |  |   |              |            |               |  |
| ☐ Bed and Banks            |                      |  |   |              |            |               |  |
| ✓ OHWM: OHWM Inc           | dicators:            |  |   |              |            |               |  |
| ☐ Clear, natural line i    | mpressed on the bank | :  | /egetati                                  | on matted    | down, b    | ent or absent |  |
| ✓ Changes in soil cha      | racter               | □ L  | eaf litte.                                | r disturbed  | l or wasl  | ned away      |  |
| ☐ Shelving                 |                      | □ F  | resence                                   | of litter a  | nd debri   | S             |  |
| ☐ Sediment deposition      | on                   | ✓ [  | Destruct                                  | ion of terre | estrial ve | getation      |  |
| ✓ Sediment sorting         |                      | ☐ Abrupt change in plant community                   |   |              |            |               |  |
| ☐ Scour                    |                      | $\square$ Multiple observed or predicted flow events |   |              |            |               |  |
| ☐ Presence of wrack        | line                 | _ \  | Vater st                                  | aining       |            |               |  |
| Other (list):              |                      |  |   |              |            |               |  |
| ☐ Discontinuous? Ex        | xplain:              |  |   |              |            |               |  |
| (iii) Chemical Characteris | tics:                |  |   |              |            |               |  |
| Characterize Tributa       | ry:                  |  |   |              |            |               |  |
| Identify Specific Poll     |                      |  |   |              |            |               |  |
|                            |                      |  |   |              |            |               |  |
|                            |                      |  |   |              |            |               |  |
|                            |                      |  |   |              |            |               |  |
|                            |                      |  |   |              |            |               |  |

| (iv) Biological Characterist   | ics. Channel supports (check all that apply):   |
|--|---|
| ☐ Riparian Corridor(   | Characteristics:  |
| ☐ Wetland Fringe Ch  |   |
| Habitat for:   |   |
| ☐ Federally Listed Spe   | ecies Explain:  |
| ☐ Fish/Spawn Areas   | Explain:  |
| •  | ally -sensitive species Explain:  |
| ☐ Aquatic/Wildlife div   | ·   |
|  |   |
| <ol><li>Characteristics of wetla<br/>(i) Physical Characteristics</li></ol>                                  | ands adjacent to non-TNW that flow directly or indirectly into TNW<br>::  |
| Wetland Size (ac):   | Wetland Type, Explain:  |
| Wetland Quality, Expla   | ain:  |
| Project Wetlands Cros  | ss or Serve as State Boundaries, Explain:   |
| Wetland Flow is:   | Explain:  |
| Surface Flow is:   | Characteristics:  |
| Subsurface Flow:   | Explain Findings:   |
| ☐ Ecologcal connec<br>☐ Separated by bea<br>Project Wetlands: Rive<br>Project Wetlands: Aer<br>Flow is From: | tly Abutting Non-TNW d hydrologic connection Explain: ction Explain: crm/barrier Explain: er Miles from TNW: cial Miles from TNW: |
| Characterize Wetland   | System:   |
| (iii) Biological Characterist  | tics. Wetland supports (check all that apply):  |
| ☐ Riparian Buffer E  |   |
| •  | percent cover. Explain:   |
| Habitat for:   |   |
| ☐ Federally Listed S   | Species Explain:  |
| $\square$ Fish/Spawn Area  | ·   |
|  | entally-sensitive species Explain:  |
|  |   |
| $\sqcup$ Other environme $\Box$ Aquatic/Wildlife   | Diversity Explain:  |
| ☐ Aquatic/Wildlife   | Diversity Explain: etlands adjacent to the non-TNW tributary (if any)   |
| ☐ Aquatic/Wildlife  3. Characteristics of all we   | etlands adjacent to the non-TNW tributary (if any)  |
| <ul><li>Aquatic/Wildlife</li><li>Characteristics of all we All wetland(s) conside</li></ul>                  |   |

|  | <b>NEXUS DETERM</b>  | /INATION   |  |  |  |  |
|--|--|--|--|--|--|--|
| 1. Significant into TNW. Ex  |  | for non-RP   | W that has no  | adjacent wetland   | s and flows dire   | ctly or indirectly   |
| between Pow<br>discharges, in<br>downstream<br>possibility of<br>critical habita<br>does not prov<br>drainage doe<br>biological inte | vers Butte and G<br>n combination w<br>manmade impo<br>a hydrologic cor<br>ats were identified<br>vide lifecycle sup<br>s not have more<br>egrity of the TNV   | Sillespie Dar<br>vith the geor<br>bundment (T<br>nnection be<br>ed within th<br>pport functi<br>e than a spe<br>W. Therefor  | m. An analysis morphology of Tat Momolikot etween this drane Analysis Are ions, nutrients eculative or ins   | of peak yearly disc<br>f the Analysis Area<br>: Dam), and the dis<br>ninage and the TNV<br>ea. Additionally, thi<br>, or organic carbor<br>ubstantial effect o | harges and poto<br>, the presence of<br>tance to the TN<br>V is tenuous. No<br>s unnamed eph<br>of to species with<br>in the physical, conage does not p | of a significant<br>W, suggests that the<br>opollutants or<br>emeral drainage<br>iin the TNW. This |
| •  | nexus findings<br>into TNW. Expla  |  | W and its adja   | cent wetlands, wh  | nere the non-RP  | W flows directly   |
| 3. Significant Explain:  | nexus findings   | for wetland  | ds adjacent to   | an RPW but that o  | do not directly a  | but the RPW.   |
|  |  |  |  |  |  |  |
| . DETERMINAT   | TIONS OF JURISE  | DICTIONAL  | FINDINGS. TH   | E SUBJECT WATER  | S/WETLANDS A   | ARE  |
| 1. TNWs and  | Adjacent Wetla   | ınds   |  |  |  |  |
| $\square$ TNWs:  | Lir  | near Feet  |  | Width (ft), Or,  |  | Acres  |
| Wetland  | s adjacent to TN   | IWs:   | Acres  |  |  |  |
| Reserved for   | Section III D 2 (F   | RPWs):   |  |  |  |  |
|  | that flow direc  | tly or indir   | ectly into TNV   | Vs.  |  |  |
| 3. Non-RPWs  | s tilat llow ullet   |  |  |  |  |  |
| ☐ Non-TNW<br>with a TN   | //non-RPW wate<br>W, and is therfo   | •  | ional.   | or indirectly into a   | TNW and has a  | signficant nexus   |
| □ Non-TNW with a TN Length (Li   | //non-RPW wate<br>W, and is therfo<br>inear Feet):   | ore jurisdicti   | ional.<br>Width (feet):  | Ac   | res:   | signticant nexus   |
| □ Non-TNW with a TN Length (Li   | //non-RPW wate<br>W, and is therfo   | ore jurisdicti   | ional.<br>Width (feet):  | Ac   |  | signticant nexus   |
| ☐ Non-TNW with a TN Length (Li Reserved for  | //non-RPW wate<br>W, and is therfo<br>inear Feet):<br>r Section III D 4 (  | ore jurisdicti   | ional.<br>Width (feet):<br>directly abuttir  | Ac   | cres:  | signticant nexus   |
| ☐ Non-TNW with a TN Length (Li Reserved for Reserved for   | //non-RPW wate<br>W, and is therfo<br>inear Feet):<br>r Section III D 4 (<br>r Section III D 5 (   | ore jurisdicti<br>(Wetlands c  | ional. Width (feet): directly abuttir adjacent to but  | Acong RPWs):   | ing RPWs):   | signticant nexus   |
| <ul> <li>Non-TNW with a TN Length (Li Reserved for Reserved for Metlands</li> <li>Wetland has a sign</li> </ul>                      | //non-RPW wate<br>W, and is therfo<br>inear Feet):<br>r Section III D 4 (<br>r Section III D 5 (<br>adjacent to non<br>adjacent to non<br>nificant nexus wi  | (Wetlands of the control of the cont | ional.  Width (feet): directly abuttined adjacent to but at flow directly ch, in combinal V.   | Acong RPWs): t not directly abutt  | ing RPWs):   | adjacent wetlands,   |
| □ Non-TNW with a TN Length (Li Reserved for Reserved for 6. Wetlands □ Wetland has a sign Estimate                                   | //non-RPW wate<br>W, and is therfo<br>inear Feet):<br>r Section III D 4 (<br>r Section III D 5 (<br>adjacent to non<br>adjacent to non<br>nificant nexus wi<br>d size of jurisdic  | (Wetlands of<br>(Wetlands of<br>(Wetlands and of<br>Metlands and of<br>Metlands wetlands)  | ional.  Width (feet): directly abuttined adjacent to but at flow directly ch, in combination of the combinat | Acong RPWs): t not directly abutt  | ing RPWs):   |  |
| <ul> <li>Non-TNW with a TN Length (Li Reserved for Reserved for Wetlands a sign Estimate</li> <li>7. Impounding</li> </ul>           | //non-RPW wate W, and is therfo inear Feet):  r Section III D 4 ( r Section III D 5 ( adjacent to nor adjacent to non nificant nexus wid size of jurisdicted)  | (Wetlands of<br>(Wetlands of<br>(Wetlands and<br>Merith the TNW<br>(with the TNW)<br>(witional wetlands)   | ional.  Width (feet): directly abuttined adjacent to but at flow directly ch, in combination of the combinat | Acong RPWs): t not directly abutt  | ing RPWs):   |  |
| <ul> <li>□ Non-TNW with a TN Length (Li Reserved for Reserved for G. Wetlands has a sign Estimate</li> <li>7. Impounds</li> </ul>    | //non-RPW wate W, and is therfo inear Feet):  r Section III D 4 ( r Section III D 5 ( adjacent to non adjacent to non ifficant nexus will disize of jurisdicted in the control of Jurisdic | (Wetlands of Wetlands and PRPWs white the TNW stional wetlands and the Company of | ional.  Width (feet): directly abuttined adjacent to but at flow directly ch, in combination of the combinat | Acong RPWs): t not directly abutt  | ing RPWs):  TNWs.  tary and other a  | adjacent wetlands,   |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 17A                 |                          |               |             |                     |               |
|---------------------------------|--------------------------|---------------|-------------|---------------------|---------------|
| As described in Section 3C1 a   | •                        | •             | ral drainag | ge determined that  | it did not    |
| possess a significant nexus w   | ith the nearest TNW      | <i>1</i> .    |             |                     |               |
| Explain finding of Other:       |                          |               |             |                     |               |
| ✓ Non-wetland waters            | 1283.70 linear           | feet (ft),    | 10.12 v     | vidth (ft)          |               |
| ☐ Other waters                  | acres                    |               |             |                     |               |
| ☐ Wetlands                      | acres                    |               |             |                     |               |
| CTION IV. DATA COURCES          |                          |               |             |                     |               |
| ECTION IV: DATA SOURCES         | Cook waith and law Arrow | l:/C          |             | attand Dassumas     | I.a           |
| ✓ Maps, Plans, Plots or Plat    |                          |               | tant: We    | estLand Resources,  | Inc.          |
| ✓ Data Sheets Prepared/Su       |                          | f Applicant   |             |                     |               |
| Office Concurs with d           |                          |               |             |                     |               |
| ☐ Office Does Not Conc          |                          |               |             |                     |               |
| ☐ Data Sheets Prepared by       | •                        |               |             |                     |               |
| Corps Navigable Water S         | •                        |               |             |                     |               |
| ☐ US Geological Survey Hyd      | rologic Atlas            |               |             |                     |               |
| USGS NHD Data                   |                          |               |             |                     |               |
| $\square$ USGS 8 and 12 digit F | IUC Map                  |               |             |                     |               |
| ✓ US Geological Survey Ma       | p(s) Scale and Qua       | d Name:       |             |                     |               |
| Silver Reef Mountain            | • • •                    |               | sa Mount    | ains NW 7.5-Minut   | e Quadrangles |
|                                 |                          |               |             |                     |               |
| ☐ USDA Nat'l Res Conserva       |                          | •             | :           |                     |               |
| ☐ National Wetlands Inven       | •                        | ap Name:      |             |                     |               |
| State/Local Wetland Inve        | ntory Maps               |               |             |                     |               |
| ☐ FEMA/FIR Maps                 |                          |               | <b></b>     |                     | (4020)        |
| ☐ 100-year Floodplain Elev      |                          |               |             | Geodetic Vertical D | atum of 1929) |
| ✓ Aerial Photographs (Na        |                          |               |             | n 2008              |               |
| ✓ Other Photographs (Na         |                          |               |             |                     |               |
| ☐ Previous Determinations       |                          | ot Response l | .etter:     |                     |               |
| Applicable/Supporting Ca        |                          |               |             |                     |               |
| Applicable/Supporting Sc        | ientific Literature      | Citation:     |             |                     |               |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION   |                           |
|---|---------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |                           |
| B. District Office and File No: Los Angeles District, File No. Pending  |                           |
| C. Project Location and Background Information: Drainage Feature 18   |                           |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Count   | ies, Arizona              |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |                           |
| Name of nearest waterbody: Unnamed Wash 18  |                           |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Da  | am                        |
| HUC Code: 15050306  |                           |
| ✓ Map/Diagram of potential jurisdictional area is available on request  |                           |
| D. Review Performed for Site Evaluation:  |                           |
| Office Determination. Date:   |                           |
| Field Determination. Date: 05/2012  |                           |
|   |                           |
| SECTION II: SUMMARY OF FINDINGS   |                           |
| A. RHA Section 10 Determination of Jurisdiction  There are No "povigable waters of the U.S." within BUA jurisdiction in the review are  |                           |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review are   | d.                        |
| B. CWA Section 404 Determination of Jurisdiction  |                           |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.   |                           |
| 1. Waters of the US:  |                           |
| Linear Feet Width (ft) and/or Acres   | S                         |
| Limits of Jurisdiction based on:  |                           |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined</li></ul>  | not to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this dr<br>considered jurisdictional if it possessed a significant nexus with a downstream T<br>not possess a significant nexus with the downstream TNW. |                           |
| SECTION III: CWA ANALYSIS   |                           |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |                           |
| 1. Identified TNW:  |                           |
| Rationale for TNW determination:  |                           |
| 2. Pationale for conclusion that any wotlands present are "adjacent":   |                           |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |                           |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS   |                           |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4                         |
| Drainage Area (sq mi): 0.00188 River Miles from tributary to TN'  |                           |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RP Average Annual Snowfall (in): 0 Aerial Miles from tributary to TN  |                           |
| Average Affilial Showfall (III).  Aerial Miles from tributary to RP   |                           |
| Project waters cross or serve as state boundaries. Explain:   |                           |

Feature ID: 18

| Identify flow route to   |  |                       |               |  |
|--|--|-----------------------|---------------|--|
| •  |  | •                     |               | ultimately tributary to the Santa Rosa Wash. Topograpl |
|  | ely rout   | e of poten            | itial flow is | Santa Rosa Wash to the Santa Cruz Wash to the Gila     |
| River.   |  |                       |               |  |
| Tributary is: Natural  |  | Explain:              |               |  |
| Average Width (ft):  | 14.24  |                       |               |  |
| Average Depth (ft):  | 1  |                       |               |  |
|  |  |                       |               |  |
| Average Side Slopes:   | 2:1  |                       |               |  |
|  |  | compositio            | n (check all  | that apply):   |
| Average Side Slopes:<br>Primary tributary sub<br>☑ Silts ☐ Sands   | ostrate o  | compositio<br>Cobbles | n (check all  |  |
| Primary tributary sub  ☑ Silts ☐ Sands                             | ostrate o  | •                     | Bedro         |  |
| Primary tributary sub  ☑ Silts ☐ Sands                             | ostrate o  | Cobbles<br>Other, E   | Bedro         |  |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N              | ostrate o  Muck Stability  | Cobbles Other, E      | ☐ Bedro       |  |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/S | ostrate of the state of the sta | Cobbles Other, E      | Bedro         | ock ☑ Gravel ☐ Vegetation                              |

| (c) Flow:                  |                      |                                       |  |             |           |                  |  |
|----------------------------|----------------------|---------------------------------------|--|-------------|-----------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow       | Average                               | Flow Eve                                   | ents per ye | ear:      | 2-5              |  |
| Describe Flow Regime:      | Ephemeral            | Other Inf                             | ormatio                                    | n on Dura   | tion and  | Volume:          |  |
| Surface Flow is:           | Confined             | Characte                              | ristics:                                   |             |           |                  |  |
| Subsurface Flow:           | No                   | Explain:                              |  |             |           |                  |  |
| Tributary Has:             |                      |                                       |  |             |           |                  |  |
| ☐ Bed and Banks            |                      |                                       |  |             |           |                  |  |
| ✓ OHWM: OHWM Inc           | licators:            |                                       |  |             |           |                  |  |
| ☐ Clear, natural line i    | mpressed on the bank | :                                     | /egetatio                                  | on matted   | down, b   | ent or absent    |  |
| Changes in soil cha        | racter               |                                       | eaf litte.                                 | r disturbed | d or was  | hed away         |  |
| ☐ Shelving                 |                      | □ F                                   | ☐ Presence of litter and debris            |             |           |                  |  |
| Sediment deposition        | on                   | Destruction of terrestrial vegetation |  |             |           |                  |  |
| ✓ Sediment sorting         | Sediment sorting     |                                       | $\square$ Abrupt change in plant community |             |           |                  |  |
| ☐ Scour                    |                      |                                       | Multiple                                   | observed    | or predic | cted flow events |  |
| ☐ Presence of wrack        | line                 | □ <b>\</b>                            | Vater st                                   | aining      |           |                  |  |
| Other (list):              |                      |                                       |  |             |           |                  |  |
| ☐ Discontinuous? Ex        | plain:               |                                       |  |             |           |                  |  |
| (iii) Chemical Characteris | tics:                |                                       |  |             |           |                  |  |
| Characterize Tributar      | ry:                  |                                       |  |             |           |                  |  |
| Identify Specific Pollu    | utants, if known:    |                                       |  |             |           |                  |  |
|                            |                      |                                       |  |             |           |                  |  |
|                            |                      |                                       |  |             |           |                  |  |
|                            |                      |                                       |  |             |           |                  |  |
|                            |                      |                                       |  |             |           |                  |  |

| Feature ID: 18   |      |
|--|------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |      |
| Riparian Corridor Characteristics:   |      |
| ☐ Wetland Fringe Characteristics:  |      |
| Habitat for:   |      |
| ☐ Federally Listed Species Explain:  |      |
| ☐ Fish/Spawn Areas Explain:  |      |
| ☐ Other environmentally -sensitive species Explain:  |      |
| ☐ Aquatic/Wildlife diversity Explain:  |      |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                       |      |
| (i) Physical Characteristics:  |      |
| Wetland Size (ac): Wetland Type, Explain:  |      |
| Wetland Quality, Explain:  |      |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |      |
| Wetland Flow is: Explain:  |      |
| Surface Flow is: Characteristics:  |      |
| Subsurface Flow: Explain Findings:   |      |
| ☐ Wetland Directly Abutting Non-TNW  |      |
| ☐ Wetland Not Directly Abutting Non-TNW  |      |
| ☐ Discrete wetland hydrologic connection Explain:  |      |
| ☐ Ecologcal connection Explain:  |      |
| ☐ Separated by berm/barrier Explain:   |      |
| Project Wetlands: River Miles from TNW:  |      |
| Project Wetlands: Aerial Miles from TNW:   |      |
| Flow is From:  |      |
| Approximate Location of Wetland within Floodplain:   |      |
| (ii) Chemical Characteristics:   |      |
| Characterize Wetland System:   |      |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |      |
|  |      |
| Riparian Buffer Explain:   |      |
| ☐ Vegetation type/percent cover. Explain:  Habitat for:  |      |
| Federally Listed Species Explain:  |      |
| ☐ Fish/Spawn Areas Explain:  |      |
| ☐ Other environmentally-sensitive species Explain:   |      |
| ☐ Aquatic/Wildlife Diversity Explain:  |      |
|  |      |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                      |      |
| All wetland(s) considered in cumulative analysis:  |      |
| Wetland acres in total being considered in cumulative analysis:  |      |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical function | ıs): |
|  |      |
|  |      |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila Rive between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus within the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Wetlands adjacent to TNWs: Acres: Reserved for Section III D 2 (Wetlands adjacent to but not directly abutting RPWs):  Reserved for Section III D 5 (Wetlands directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size | SIGNIFICANT NEXUS DETERMINAT  | ION   |
|--|---|---|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs:  |   | n-RPW that has no adjacent wetlands and flows directly or indirectly  |
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| Demonstration of Jurisdiction:  ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF VHICH COULD AFFECT INTERSTATE COMMERCE  | ·   |   |
| ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  |   |   |
| /HICH COULD AFFECT INTERSTATE COMMERCE   |   |   |
| Supporting rationale:  |   |   |
| Supporting rationale:  |   |   |
| Length (linear feet): Acres:   | Cumposition solo  |   |

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 18   |                                    |                                    |            |                 |                     |  |
|--|------------------------------------|------------------------------------|------------|-----------------|---------------------|--|
| As described in Section 3C possess a significant nexus   |                                    |                                    | ral draina | ge determined   | that it did not     |  |
| Explain finding of Other:  |                                    |                                    |            |                 |                     |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | a                                  | inear feet (ft),<br>ocres<br>ocres | 14.24      | width (ft)      |                     |  |
| SECTION IV: DATA SOURCES   |                                    |                                    |            |                 |                     |  |
| <ul><li>✓ Maps, Plans, Plots or P</li><li>✓ Data Sheets Prepared/</li><li>☐ Office Concurs with</li><li>☐ Office Does Not Co</li></ul> | 'Submitted on beh<br>n delineation | alf of Applicant                   | ltant: W   | estLand Resour  | ces, Inc.           |  |
| <ul><li>□ Data Sheets Prepared</li><li>□ Corps Navigable Water</li><li>□ US Geological Survey F</li><li>□ USGS NHD Data</li></ul>      | r Study<br>Hydrologic Atlas        |                                    |            |                 |                     |  |
| ☐ USGS 8 and 12 digi   | t HUC Map                          |                                    |            |                 |                     |  |
| ✓ US Geological Survey N<br>Silver Reef Mounta   | •                                  |                                    | osa Moun   | tains NW 7.5-M  | inute Quadrangles   |  |
| ☐ USDA Nat'l Res Conser☐ National Wetlands Invo  | entory Maps Ci                     | l Survey Citation<br>ite Map Name: | 1:         |                 |                     |  |
| <ul><li>☐ FEMA/FIR Maps</li><li>☐ 100-year Floodplain Element</li></ul>  | evation is:                        |                                    | (National  | Geodetic Vertic | cal Datum of 1929)  |  |
| '  | Name and Date):                    | BING, Microsoft \                  | •          |                 | 23. 23.4111 01 1323 |  |
| ✓ Other Photographs (  |                                    |                                    |            |                 |                     |  |
| ☐ Previous Determinatio  | ns File No. and [                  | Date of Response                   | Letter:    |                 |                     |  |
| $\square$ Applicable/Supporting  |                                    |                                    |            |                 |                     |  |
| $\square$ Applicable/Supporting  | Scientific Literatu                | re Citation:                       |            |                 |                     |  |
| Other Information, Ple   | ase Specify:                       |                                    |            |                 |                     |  |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION  |                       |
|--|-----------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                       |
| B. District Office and File No: Los Angeles District, File No. Pending   |                       |
| C. Project Location and Background Information: Drainage Feature 19  |                       |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties,  | Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                       |
| Name of nearest waterbody: Unnamed Wash 19   |                       |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam  |                       |
| HUC Code: 15050306   |                       |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                       |
| D. Review Performed for Site Evaluation:   |                       |
| Office Determination. Date:  |                       |
| Field Determination. Date: 05/2012   |                       |
|  |                       |
| SECTION II: SUMMARY OF FINDINGS  |                       |
| A. RHA Section 10 Determination of Jurisdiction  |                       |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.  |                       |
| B. CWA Section 404 Determination of Jurisdiction   |                       |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.  |                       |
| 1. Waters of the US:   |                       |
| Linear Feet Width (ft) and/or Acres  |                       |
| Limits of Jurisdiction based on:   |                       |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined not</li></ul>   | to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this draina considered jurisdictional if it possessed a significant nexus with a downstream TNW. not possess a significant nexus with the downstream TNW. | •                     |
| SECTION III: CWA ANALYSIS  |                       |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                       |
| 1. Identified TNW:   |                       |
| Rationale for TNW determination:   |                       |
|  |                       |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                       |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                       |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                     |
| Drainage Area (sq mi): 0.00484 River Miles from tributary to TNW:  | 30 (or more)          |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:  Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW:  | 30 (or more)          |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW:  Aerial Miles from tributary to RPW:   | 30 (of more)          |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                       |

Feature ID: 19

| suggests the most likely r<br>River.<br>Tributary is: Natural | in the Analysis<br>oute of poten | s Area are ultimately tributary to the Santa Rosa Wash. Topography<br>tial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|---|----------------------------------|---|
| suggests the most likely r<br>River.<br>Tributary is: Natural | oute of poten                    |   |
|   | I                                |   |
| Avorago Width (ft): 12  | Explain:                         |   |
| Average Width (ft): 13.                                       | 31                               |   |
| Average Depth (ft): 1   |                                  |   |
| Average Side Slopes: 2:1                                      |                                  |   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ Muck                             | ☐ Cobbles  Other, E              | ☐ Bedrock ☑ Gravel ☐ Vegetation   |
| Concrete ivider   | Other, E.                        | Apidiii.  |
| Tributary Condition/Stabi                                     | lity. Explain:                   | Stable  |
| Presence of Run/Riffle/Po                                     | ool Complexes                    | s. Explain: Not Present   |
| Tributary Geometry: R   | elatively Strai                  | ght   |
| Tributary Gradient (appro                                     | ximate avera                     | ge slope): 2%   |

| (c) Flow:                               |  |            |   |             |          |               |  |
|---|--|------------|---|-------------|----------|---------------|--|
| Tributary Provides for:                 | Ephemeral Flow Average Flow Events per year: 2-5 |            | 2-5   |             |          |               |  |
| Describe Flow Regime:                   | Ephemeral  | Other Inf  | ormatio   | n on Dura   | tion and | Volume:       |  |
| Surface Flow is:                        | Confined   | Characte   | ristics:  |             |          |               |  |
| Subsurface Flow:                        | No   | Explain:   |   |             |          |               |  |
| Tributary Has:                          |  |            |   |             |          |               |  |
| ☐ Bed and Banks                         |  |            |   |             |          |               |  |
| ✓ OHWM: OHWM Inc                        | dicators:  |            |   |             |          |               |  |
| $\square$ Clear, natural line i         | mpressed on the banl                             | · □ \      | /egetatio   | on matted   | down, b  | ent or absent |  |
| ✓ Changes in soil cha                   | racter   |            | -   | r disturbed |          |               |  |
| ☐ Shelving                              |  | □ F        | ☐ Presence of litter and debris                             |             |          |               |  |
| ☐ Sediment deposition                   | ☐ Sediment deposition                            |            | Destruction of terrestrial vegetation                       |             |          |               |  |
| Sediment sorting                        | ent sorting                                      |            | ☐ Abrupt change in plant community                          |             |          |               |  |
| ☐ Scour                                 |  |            | $\hfill \square$ Multiple observed or predicted flow events |             |          |               |  |
| ☐ Presence of wrack                     | line   | □ <b>\</b> | Water sta   | aining      |          |               |  |
| Other (list):                           |  |            |   |             |          |               |  |
| ☐ Discontinuous? Ex                     | xplain:  |            |   |             |          |               |  |
| (iii) Chemical Characteris              | tics:  |            |   |             |          |               |  |
| Characterize Tributai                   | ry:  |            |   |             |          |               |  |
| Identify Specific Pollu                 | •  |            |   |             |          |               |  |
| , | ,  |            |   |             |          |               |  |
|   |  |            |   |             |          |               |  |
|   |  |            |   |             |          |               |  |
|   |  |            |   |             |          |               |  |

| Feature ID: 19  |           |  |  |  |  |
|---|-----------|--|--|--|--|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                     |           |  |  |  |  |
| Riparian Corridor Characteristics:  |           |  |  |  |  |
| ☐ Wetland Fringe Characteristics:   |           |  |  |  |  |
| Habitat for:  |           |  |  |  |  |
| ☐ Federally Listed Species Explain:   |           |  |  |  |  |
| ☐ Fish/Spawn Areas Explain:   |           |  |  |  |  |
| ☐ Other environmentally -sensitive species Explain:   |           |  |  |  |  |
| ☐ Aquatic/Wildlife diversity Explain:   |           |  |  |  |  |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                  |           |  |  |  |  |
| (i) Physical Characteristics:   |           |  |  |  |  |
| Wetland Size (ac): Wetland Type, Explain:   |           |  |  |  |  |
| Wetland Quality, Explain:   |           |  |  |  |  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |           |  |  |  |  |
| Wetland Flow is: Explain:   |           |  |  |  |  |
| Surface Flow is: Characteristics:   |           |  |  |  |  |
| Subsurface Flow: Explain Findings:  |           |  |  |  |  |
| ☐ Wetland Directly Abutting Non-TNW   |           |  |  |  |  |
| ☐ Wetland Not Directly Abutting Non-TNW   |           |  |  |  |  |
| ☐ Discrete wetland hydrologic connection Explain:   |           |  |  |  |  |
| ☐ Ecologcal connection Explain:   |           |  |  |  |  |
| ☐ Separated by berm/barrier Explain:  |           |  |  |  |  |
| Project Wetlands: River Miles from TNW:   |           |  |  |  |  |
| Project Wetlands: Aerial Miles from TNW:  |           |  |  |  |  |
| Flow is From:   |           |  |  |  |  |
| Approximate Location of Wetland within Floodplain:  |           |  |  |  |  |
| (ii) Chemical Characteristics:  |           |  |  |  |  |
| Characterize Wetland System:  |           |  |  |  |  |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                    |           |  |  |  |  |
| ☐ Riparian Buffer Explain:  |           |  |  |  |  |
| ☐ Vegetation type/percent cover. Explain:   |           |  |  |  |  |
| Habitat for:  |           |  |  |  |  |
| ☐ Federally Listed Species Explain:   |           |  |  |  |  |
| ☐ Fish/Spawn Areas Explain:   |           |  |  |  |  |
| ☐ Other environmentally-sensitive species Explain:  |           |  |  |  |  |
| ☐ Aquatic/Wildlife Diversity Explain:   |           |  |  |  |  |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                 |           |  |  |  |  |
| All wetland(s) considered in cumulative analysis:   |           |  |  |  |  |
| Wetland acres in total being considered in cumulative analysis:   |           |  |  |  |  |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fur | nctions): |  |  |  |  |
|   |           |  |  |  |  |
|   |           |  |  |  |  |
|   |           |  |  |  |  |

|  | ATION   |
|--|---|
| 1. Significant nexus findings for n into TNW. Explain:   | non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gilles discharges, in combination with the downstream manmade impounds possibility of a hydrologic connect critical habitats were identified widoes not provide lifecycle support drainage does not have more that biological integrity of the TNW. The | ge is located more than 100 river miles from the nearest TNW, the Gila Ripie Dam. An analysis of peak yearly discharges and potential flood the geomorphology of the Analysis Area, the presence of a significant ment (Tat Momolikot Dam), and the distance to the TNW, suggests that the tion between this drainage and the TNW is tenuous. No pollutants or within the Analysis Area. Additionally, this unnamed ephemeral drainage to functions, nutrients, or organic carbon to species within the TNW. This is a speculative or insubstantial effect on the physical, chemical, and/or therefore, this unnamed ephemeral drainage does not possess a significant Gila River between Powers Butte and Gillespie Dam. |
| <ol><li>Significant nexus findings for n<br/>or indirectly into TNW. Explain:</li></ol>  | non-RPW and its adjacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for v Explain:   | wetlands adjacent to an RPW but that do not directly abut the RPW.  |
| D. DETERMINATIONS OF JURISDICT   | IONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| 1. TNWs and Adjacent Wetlands  |   |
| ☐ TNWs: Linear   | Feet Width (ft), Or, Acres  |
| Wetlands adjacent to TNWs:   |   |
| Reserved for Section III D 2 (RPWs   |   |
| 3. Non-RPWs that flow directly o   | or indirectly into TNWs.  |
| •  | dy that flows directly or indirectly into a TNW and has a signficant nexus  |
| Length (Linear Feet):  | Width (feet): Acres:  |
| Reserved for Section III D 4 (Wet  | clands directly abutting RPWs):   |
| Reserved for Section III D 5 (Wet  | clands adjacent to but not directly abutting RPWs):   |
| C Mathemateralisaent to man DD   | Ws that flow directly or indirectly into TNWs.  |
| 6. Wetlands adjacent to non-KP   |   |
| •  | Ws which, in combination with the tributary and other adjacent wetlands<br>he TNW.  |
| ☐ Wetland adjacent to non-RPV  | he TNW.   |
| <ul> <li>Wetland adjacent to non-RPV<br/>has a significant nexus with the</li> </ul>   | he TNW. al wetland (in acres):  |
| ☐ Wetland adjacent to non-RPV has a significant nexus with the Estimated size of jurisdictions   | he TNW. al wetland (in acres): nal waters.  |
| <ul> <li>Wetland adjacent to non-RPV has a significant nexus with the Estimated size of jurisdiction</li> <li>Impoundments of jurisdiction</li> <li>Demonstration of Jurisdiction</li> </ul>   | he TNW. al wetland (in acres): nal waters. n: ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 19   |  |
|--|--|
| As described in Section 30 possess a significant nexu  | 1 above, an analysis of this ephemeral drainage determined that it did not swith the nearest TNW.                                  |
| Explain finding of Other:  |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 10148.93 linear feet (ft), acres acres   |
| SECTION IV: DATA SOURCES   |  |
| ✓ Data Sheets Prepared,  ☐ Office Concurs with   | lat Submitted by Applicant/Consultant: WestLand Resources, Inc. Submitted on behalf of Applicant delineation ncur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | Study<br>lydrologic Atlas  |
|  | Map(s) Scale and Quad Name: sins SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                             |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul>                            |  |
| ☐ 100-year Floodplain El   | evation is: (National Geodetic Vertical Datum of 1929)   |
| Aerial Photographs (   | Name and Date): BING, Microsoft Virtual Earth 2008   |
| • , ,  | Name and Date): Ground Photos; May 2012  |
| _  | ns File No. and Date of Response Letter:   |
| ☐ Applicable/Supporting  |  |
| <ul><li>Applicable/Supporting</li><li>Other Information, Ple</li></ul>   |  |
| Juici information, Fie   | ase specify.   |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | MATION               |                      |   |                           |
|---|----------------------|----------------------|---|---------------------------|
| A. Report Completion Date for App   | proved Jurisdiction  | al Determination:    | 07/30/2012                                |                           |
| B. District Office and File No: Los   | Angeles District, F  | ile No. Pending      |   |                           |
| C. Project Location and Background  | d Information: D     | rainage Feature      | 19A                                       |                           |
| City, County, State Sif Oidak Dis   | strict, Tohono O'o   | dham Nation, Pim     | a and Pinal Countie                       | es, Arizona               |
| Center coordinates of site: Lat.  | 32.5073              | Long111.910          | 00  |                           |
| Name of nearest waterbody: Un   | named Wash 19A       |                      |   |                           |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River bet    | ween Powers Butt     | e and Gillespie Da                        | m                         |
| ✓ Map/Diagram of potential juris  | dictional area is av | ailable on reques    | t   |                           |
| D. Review Performed for Site Evalu  | lation:              |                      |   |                           |
| Office Determination. Date:   |                      |                      |   |                           |
| Field Determination. Date: 05/  | 2012                 |                      |   |                           |
| SECTION II: SUMMARY OF FINDIN   | GS                   |                      |   |                           |
| A. RHA Section 10 Determination   |                      |                      |   |                           |
| There Are No "navigable waters  | s of the U.S." withi | n RHA jurisdiction   | in the review area                        | э.                        |
| B. CWA Section 404 Determination  | n of Jurisdiction    |                      |   |                           |
| There Are No "waters of the   | ne U.S." within CW   | A jurisdiction in th | ne review area.                           |                           |
| 1. Waters of the US:  |                      |                      |   |                           |
| Linear Feet   | W                    | dth (ft) and/or      | Acres                                     |                           |
| Limits of Jurisdiction based on:  |                      |                      |   |                           |
| 2. Non-Regulated Waters/Wet   |                      | nds word accord      | d and datarminad .                        | aat ta ba juwiadiatianali |
| ✓ Potentially jurisdictional wa   |                      |                      |   | <u> </u>                  |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a sigr  | ificant nexus with   | •   | •                         |
| SECTION III: CWA ANALYSIS   |                      |                      |   |                           |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs          |                      |   |                           |
| 1. Identified TNW:  |                      |                      |   |                           |
| Rationale for TNW determinate   | ion:                 |                      |   |                           |
| 2. Rationale for conclusion tha   | t any wetlands pro   | esent are "adjacer   | nt":                                      |                           |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY AND      | ITS ADJACENT W       | ETLANDS                                   |                           |
| TNW Watershed Size (sq mi):   | 49650                | Tributaries flov     |   | 4                         |
| Drainage Area (sq mi):  | 0.00042              |                      | m tributary to TNV                        |                           |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 8.5<br>0             |                      | m tributary to RPW<br>om tributary to TN\ |                           |
| Average Allitual Silowiali (III).   | U                    |                      | om tributary to TN                        |                           |
| ☐ Project waters cross or serv  | ve as state bounda   |                      | ,   |                           |

Feature ID: 19A

| Unnamed drainages of<br>suggests the most lik<br>River.                                  |   | •  |   | •            | •      |         |  |
|--|---|--|---|--------------|--------|---------|--|
| Tributary is: Natural  |   | Explain:   |   |              |        |         |  |
| Average Width (ft):  | 6.01                                    |  |   |              |        |         |  |
| Average Depth (ft):  | 1                                       |  |   |              |        |         |  |
|  |   |  |   |              |        |         |  |
| Average Side Slopes:<br>Primary tributary sub<br>☑ Silts ☐ Sands                         | strate                                  | composition  | on (check al                              |              | □ Vege | tation  |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                                    | ostrate<br>G U                          | Cobbles Other,   | ☐ Bedro                                   |              | □ Vege | tation  |  |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/S                       | ostrate  Muck  Stability                | Other, Cobbles Other, Cobbles  | ☐ Bedro                                   | ock 🗹 Gravel | □ Vege | tation  |  |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/S Presence of Run/Riffl | ostrate  Muck  Stability  Je/Pool       | Other, I<br>Other, I<br>/. Explain:<br>Complexe  | Bedro Explain:  Stable es. Explain:       |              | □ Vege | tation  |  |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/S                       | ostrate  Muck  Stability  le/Pool  Rela | Other, Ot | Bedro Explain:  Stable es. Explain: hight | ock 🗹 Gravel | □ Vege | etation |  |

| (c) Flow:                       |                              |   |                                 |             |                 |               |  |  |
|---------------------------------|------------------------------|---|---------------------------------|-------------|-----------------|---------------|--|--|
| Tributary Provides for:         | Provides for: Ephemeral Flow |   |                                 | ents per ye | 2-5             |               |  |  |
| Describe Flow Regime:           | Ephemeral                    | Other Information on Duration and Volume: |                                 |             |                 |               |  |  |
| Surface Flow is:                | Confined                     | Characte                                  | ristics:                        |             |                 |               |  |  |
| Subsurface Flow:                | No                           | Explain:                                  |                                 |             |                 |               |  |  |
| Tributary Has:                  |                              |   |                                 |             |                 |               |  |  |
| $\square$ Bed and Banks         |                              |   |                                 |             |                 |               |  |  |
| ✓ OHWM: OHWM Inc                | licators:                    |   |                                 |             |                 |               |  |  |
| $\square$ Clear, natural line i | mpressed on the bank         | : □ <b>ν</b>                              | egetati                         | on matted   | down, b         | ent or absent |  |  |
| Changes in soil cha             | racter                       |   | eaf litte                       | r disturbed | or wasl         | ned away      |  |  |
| ☐ Shelving                      |                              | □ P                                       | ☐ Presence of litter and debris |             |                 |               |  |  |
| ☐ Sediment deposition           | on                           | ✓ Destruction of terrestrial vegetation   |                                 |             |                 |               |  |  |
| Sediment sorting                |                              | brupt c                                   | hange in pl                     | ant com     | munity          |               |  |  |
| ☐ Scour                         |                              | ∕lultiple                                 | observed o                      | or predic   | ted flow events |               |  |  |
| ☐ Presence of wrack             | line                         | □ V                                       | Vater st                        | aining      |                 |               |  |  |
| Other (list):                   |                              |   |                                 |             |                 |               |  |  |
| ☐ Discontinuous? Ex             | plain:                       |   |                                 |             |                 |               |  |  |
| (iii) Chemical Characteris      | tics:                        |   |                                 |             |                 |               |  |  |
| Characterize Tributar           | γ:                           |   |                                 |             |                 |               |  |  |
| Identify Specific Pollu         |                              |   |                                 |             |                 |               |  |  |
| <br>                            |                              |   |                                 |             |                 |               |  |  |
|                                 |                              |   |                                 |             |                 |               |  |  |
|                                 |                              |   |                                 |             |                 |               |  |  |
|                                 |                              |   |                                 |             |                 |               |  |  |

| Feature ID: 19A  |   |
|--|---|
| v) Biological Characterist   | ics. Channel supports (check all that apply):                           |
| ☐ Riparian Corridor (  | Characteristics:  |
| ☐ Wetland Fringe Cha   | aracteristics:  |
| Habitat for:   |   |
| ☐ Federally Listed Spe   | ecies Explain:  |
| ☐ Fish/Spawn Areas   | Explain:  |
| ☐ Other environment  | ally -sensitive species Explain:  |
| $\square$ Aquatic/Wildlife div   | versity Explain:  |
| 2 Characteristics of watla   | ands adjacent to you TNNA/ that flow divestly as indivestly into TNNA/  |
| c. Characteristics of wetla<br>(i) Physical Characteristics:                                 | ands adjacent to non-TNW that flow directly or indirectly into TNW<br>: |
| Wetland Size (ac):   | Wetland Type, Explain:  |
| Wetland Quality, Expla   | ain:  |
| Project Wetlands Cros  | s or Serve as State Boundaries, Explain:                                |
| Wetland Flow is:   | Explain:  |
| Surface Flow is:   | Characteristics:  |
| Subsurface Flow:   | Explain Findings:   |
| ☐ Wetland Directly Ab  | outting Non-TNW   |
| ☐ Wetland Not Direct   | ly Abutting Non-TNW   |
| ☐ Discrete wetland   | hydrologic connection Explain:  |
| ☐ Ecologcal connec   | ction Explain:  |
| $\square$ Separated by ber   | m/barrier Explain:  |
| Project Wetlands: Rive   | er Miles from TNW:  |
| Project Wetlands: Aeri   | ial Miles from TNW:   |
| Flow is From:  |   |
| Approximate Location   | of Wetland within Floodplain:   |
| (ii) Chemical Characteristic   | CS:   |
| Characterize Wetland   | System:   |
|  |   |
| -  | ics. Wetland supports (check all that apply):                           |
| Riparian Buffer Ex   |   |
| •  | ercent cover. Explain:  |
| Habitat for:   | Chasing Fuelein.  |
| ☐ Federally Listed S   |   |
| ☐ Fish/Spawn Area  | ·   |
| □ Other environme  | ·   |
| ☐ Other environme  |   |
| <ul><li>☐ Other environme</li><li>☐ Aquatic/Wildlife</li></ul>                               | Diversity Explain.  |
| $\square$ Aquatic/Wildlife   | etlands adjacent to the non-TNW tributary (if any)                      |
| ☐ Aquatic/Wildlife  3. Characteristics of all we   |   |
| <ul><li>Aquatic/Wildlife</li><li>Characteristics of all we All wetland(s) consider</li></ul> | etlands adjacent to the non-TNW tributary (if any)                      |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila Rive between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPW sthat flow directly or indirectly into TNWs. Acres:  Wetlands adjacent to more RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW. Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional wetland (in acres):  Demonstration of Jurisdictional wetland (in acres):  Demonstration of Jurisdictional wetland (in acres):  Demonstration of Juri | Into TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila Rive between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with | SIGNIFICANT NEXU   | DETERMINATION  |
|--|--|--|--|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream mammade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Worth a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdictional  | between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream mammade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 5 (Wetlands dijacent to but not directly abutting RPWs):  Reserved for Section III D 5 (Wetlands dijacent to but not directly into TNWs.  Wetlands adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdictional waters.  Demonstration of | _  | findings for non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  | a. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.  Explain:  DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW. Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF HICH COULD AFFECT INTERSTATE COMMERCE   | between Powers Bedischarges, in comboundation downstream mann possibility of a hydroritical habitats we does not provide lift drainage does not biological integrity | tte and Gillespie Dam. An analysis of peak yearly discharges and potential flood ination with the geomorphology of the Analysis Area, the presence of a significant ade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the plogic connection between this drainage and the TNW is tenuous. No pollutants or the identified within the Analysis Area. Additionally, this unnamed ephemeral drainage excycle support functions, nutrients, or organic carbon to species within the TNW. This have more than a speculative or insubstantial effect on the physical, chemical, and/or of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant |
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|  | HICH COULD AFFECT INTERSTATE COMMERCE  | Demonstration  | of Jurisdiction:   |
| HICH COULD AFFECT INTERSTATE COMMERCE  |  | ISOLATED WATERS  | INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  |
|  | Supporting rationale:  | HICH COULD AFFEC   | T INTERSTATE COMMERCE  |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 19A  |          |
|--|----------|
| As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did | not      |
| possess a significant nexus with the nearest TNW.  |          |
| Explain finding of Other:  |          |
| ✓ Non-wetland waters 1949.75 linear feet (ft), 6.01 width (ft)                                   |          |
| ☐ Other waters acres   |          |
| ☐ Wetlands acres   |          |
| SECTION IV: DATA SOURCES   |          |
| ✓ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.         |          |
| ✓ Data Sheets Prepared/Submitted on behalf of Applicant  |          |
| ☐ Office Concurs with delineation  |          |
| ☐ Office Does Not Concur with delineation  |          |
| ☐ Data Sheets Prepared by the Corps  |          |
| ☐ Corps Navigable Water Study  |          |
| ☐ US Geological Survey Hydrologic Atlas  |          |
| ☐ USGS NHD Data  |          |
| $\square$ USGS 8 and 12 digit HUC Map  |          |
| ✓ US Geological Survey Map(s) Scale and Quad Name:   |          |
| Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quad             | drangles |
| USDA Nat'l Res Conservation Service Soil Survey Citation:  |          |
| ☐ National Wetlands Inventory Maps   |          |
| ☐ State/Local Wetland Inventory Maps   |          |
| ☐ FEMA/FIR Maps  |          |
| ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of                         | of 1929) |
| ✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008                         |          |
| ✓ Other Photographs (Name and Date): Ground Photos; May 2012                                     |          |
| ☐ Previous Determinations File No. and Date of Response Letter:                                  |          |
| Applicable/Supporting Case Law Citation:   |          |
| Applicable/Supporting Scientific Literature Citation:  |          |
| Other Information, Please Specify:   |          |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>MATION</u>    |                       |                               |             |                      |
|---|------------------|-----------------------|-------------------------------|-------------|----------------------|
| A. Report Completion Date for App   | oroved Jurisdic  | ctional Determinati   | ion: 07/30/2                  | 012         |                      |
| B. District Office and File No: Los   | Angeles Distri   | ct, File No. Pending  | g                             |             |                      |
| C. Project Location and Background  | d Information    | : Drainage Featu      | re 19A1                       |             |                      |
| City, County, State Sif Oidak Dis   | strict, Tohono   | O'odham Nation, F     | Pima and Pinal (              | Counties, A | rizona               |
| Center coordinates of site: Lat.  | 32.5073          | Long111               | .9100                         |             |                      |
| Name of nearest waterbody: Un   | named Wash       | 19A1                  |                               |             |                      |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River    | between Powers E      | Butte and Gilles              | pie Dam     |                      |
| ✓ Map/Diagram of potential juris  | dictional area   | is available on requ  | uest                          |             |                      |
| D. Review Performed for Site Evalu  | iation:          |                       |                               |             |                      |
| Office Determination. Date:   |                  |                       |                               |             |                      |
| Field Determination. Date: 05/2   | 2012             |                       |                               |             |                      |
| SECTION II: SUMMARY OF FINDING  | GS               |                       |                               |             |                      |
| A. RHA Section 10 Determination   |                  | า                     |                               |             |                      |
| There Are No "navigable waters  |                  |                       | tion in the revie             | w area.     |                      |
| B. CWA Section 404 Determination  | on of Jurisdicti | on                    |                               |             |                      |
| There Are No "waters of the   | ne U.S." withir  | n CWA jurisdiction i  | in the review ar              | ea.         |                      |
| 1. Waters of the US:  |                  |                       |                               |             |                      |
| Linear Feet   |                  | Width (ft) and/or     | r                             | Acres       |                      |
| Limits of Jurisdiction based on:  |                  |                       |                               |             |                      |
| 2. Non-Regulated Waters/Wet   | lands:           |                       |                               |             |                      |
| ✓ Potentially jurisdictional wa   |                  | vetlands were asses   | ssed and deterr               | nined not t | o be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a   | a significant nexus v | with a downstre               | 7           | •                    |
| SECTION III: CWA ANALYSIS   |                  |                       |                               |             |                      |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs      |                       |                               |             |                      |
| 1. Identified TNW:  |                  |                       |                               |             |                      |
| Rationale for TNW determinat  | tion:            |                       |                               |             |                      |
| 2. Rationale for conclusion tha   | it any wetland   | ds present are "adja  | acent":                       |             |                      |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY      | AND ITS ADJACEN       | T WETLANDS                    |             |                      |
| TNW Watershed Size (sq mi):   | 49650            |                       | flow to TNW:                  |             | 4                    |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                | 0.00018<br>8.5   |                       | from tributary from tributary |             | 30 (or more)         |
| Average Annual Snowfall (in):   | 0                |                       | from tributary                |             | 30 (or more)         |
|   | -                |                       | from tributary                |             |                      |
| ☐ Project waters cross or serv  | ve as state boo  | undaries. Explain     | n:                            |             |                      |

Feature ID: 19A1

| Identify flow route to<br>Unnamed drainages v  |  | he Analys       | is Area are ι                       | ultimately tributary to the Santa Rosa Wash. Topography |
|--|--|-----------------|-------------------------------------|---|
| suggests the most like<br>River.   | ely rout   | e of pote       | ntial flow is                       | Santa Rosa Wash to the Santa Cruz Wash to the Gila      |
| Tributary is: Natural  |  | Explain:        |                                     |   |
| Average Width (ft):  | 11.10  |                 |                                     |   |
| Average Depth (ft):  | 1  |                 |                                     |   |
| Average Depth (it).  |  |                 |                                     |   |
| Average Side Slopes:<br>Primary tributary sub  | strate o   | •               | •                                   |   |
| Average Side Slopes:  Primary tributary sub  ✓ Silts ☐ Sands                                       | strate o   | Cobbles         | on (check al<br>Bedro               |   |
| Average Side Slopes:  Primary tributary sub  ✓ Silts ☐ Sands                                       | strate o   | Cobbles Other,  | Bedro                               |   |
| Average Side Slopes:  Primary tributary sub  Silts Sands  Concrete N                               | strate of the st | Other, Explain: | ☐ Bedro                             |   |
| Average Side Slopes:  Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Tributary Condition/S | strate of the st | Other, Explain: | Bedro Explain:  Stable es. Explain: | ock ☑ Gravel ☐ Vegetation                               |

| (c) Flow:                  |  |             |   |           |          |                   |  |
|----------------------------|--|-------------|---|-----------|----------|-------------------|--|
| Tributary Provides for:    | Ephemeral Flow                             | Average F   |   |           |          |                   |  |
| Describe Flow Regime:      | Ephemeral                                  | Other Info  | Other Information on Duration and Volume: |           |          | d Volume:         |  |
| Surface Flow is:           | Confined                                   | Character   | istics:                                   |           |          |                   |  |
| Subsurface Flow:           | No   | Explain:    |   |           |          |                   |  |
| Tributary Has:             |  |             |   |           |          |                   |  |
| ☐ Bed and Banks            |  |             |   |           |          |                   |  |
| ✓ OHWM: OHWM Inc           | dicators:                                  |             |   |           |          |                   |  |
|                            | impressed on the bank                      | U           | egetatio                                  | on matted | down,    | bent or absent    |  |
| Changes in soil changes    | •  |             | -   |           |          | shed away         |  |
| ☐ Shelving                 |  | □ P         | ☐ Presence of litter and debris           |           |          |                   |  |
| ☐ Sediment deposition      | Destruction of terrestrial vegetation      |             |   |           |          |                   |  |
| Sediment sorting           | $\square$ Abrupt change in plant community |             |   |           |          |                   |  |
| ☐ Scour                    |  | $\square$ N | 1ultiple                                  | observed  | or predi | icted flow events |  |
| ☐ Presence of wrack        | line                                       | □ W         | /ater sta                                 | aining    |          |                   |  |
| Other (list):              |  |             |   |           |          |                   |  |
| ☐ Discontinuous? Ex        | kplain:                                    |             |   |           |          |                   |  |
| (iii) Chemical Characteris | stics:                                     |             |   |           |          |                   |  |
| Characterize Tributa       |  |             |   |           |          |                   |  |
| Identify Specific Poll     | •  |             |   |           |          |                   |  |
| racinary openine i on      |  |             |   |           |          |                   |  |
|                            |  |             |   |           |          |                   |  |
|                            |  |             |   |           |          |                   |  |
|                            |  |             |   |           |          |                   |  |

| Feature ID: 19A1                  |   |
|-----------------------------------|---|
| (iv) Biological Characteristic    | cs. Channel supports (check all that apply):  |
| Riparian Corridor C               | haracteristics:   |
| ☐ Wetland Fringe Cha              | racteristics:   |
| Habitat for:                      |   |
| ☐ Federally Listed Spec           | cies Explain:   |
| ☐ Fish/Spawn Areas                | Explain:  |
| Other environmenta                | ·   |
| ☐ Aquatic/Wildlife dive           | ersity Explain:   |
| 2. Characteristics of wetlar      | nds adjacent to non-TNW that flow directly or indirectly into TNW                               |
| (i) Physical Characteristics:     |   |
| Wetland Size (ac):                | Wetland Type, Explain:  |
| Wetland Quality, Expla            | in:   |
|                                   | or Serve as State Boundaries, Explain:  |
| Wetland Flow is:                  | Explain:  |
| Surface Flow is:                  | Characteristics:  |
| Subsurface Flow:                  | Explain Findings:   |
| ☐ Wetland Directly Ab             | utting Non-TNW  |
| ☐ Wetland Not Directly            | y Abutting Non-TNW  |
| ☐ Discrete wetland                | hydrologic connection Explain:  |
| Ecologcal connect                 |   |
| ☐ Separated by berr               |   |
| Project Wetlands: River           |   |
| Project Wetlands: Aeria           | al Miles from TNW:  |
| Flow is From:                     | of Watland within Floodalain:   |
|                                   | of Wetland within Floodplain:   |
| (ii) Chemical Characteristics     | 5:  |
| Characterize Wetland S            | system:   |
| (iii) Biological Characteristic   | cs. Wetland supports (check all that apply):  |
| ☐ Riparian Buffer Ex              | plain:  |
| ☐ Vegetation type/pe              | ercent cover. Explain:  |
| Habitat for:                      |   |
| ☐ Federally Listed S <sub>I</sub> | pecies Explain:   |
| ☐ Fish/Spawn Areas                |   |
|                                   | ntally-sensitive species Explain:   |
| ☐ Aquatic/Wildlife [              | Diversity Explain:  |
| 3. Characteristics of all we      | tlands adjacent to the non-TNW tributary (if any)   |
| All wetland(s) consider           | ed in cumulative analysis:  |
| Wetland acres in total I          | being considered in cumulative analysis:  |
| Describe each wetland             | (directly abuts tributary?; size in acres; overall biological, chemical or physical functions): |
|                                   |   |
|                                   |   |

| . SIGNIFICANT NEXUS DETERMINA  | TION  |
|--|---|
| 1. Significant nexus findings for no into TNW. Explain:  | on-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gilles, discharges, in combination with the downstream manmade impounding possibility of a hydrologic connect critical habitats were identified with does not provide lifecycle support drainage does not have more than biological integrity of the TNW. The | e is located more than 100 river miles from the nearest TNW, the Gila River ie Dam. An analysis of peak yearly discharges and potential flood e geomorphology of the Analysis Area, the presence of a significant nent (Tat Momolikot Dam), and the distance to the TNW, suggests that the ion between this drainage and the TNW is tenuous. No pollutants or thin the Analysis Area. Additionally, this unnamed ephemeral drainage functions, nutrients, or organic carbon to species within the TNW. This is a speculative or insubstantial effect on the physical, chemical, and/or erefore, this unnamed ephemeral drainage does not possess a significant Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for n or indirectly into TNW. Explain:   | on-RPW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for w Explain:   | etlands adjacent to an RPW but that do not directly abut the RPW.   |
| ☐ TNWs: Linear I ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs)   | Acres   |
| 3. Non-RPWs that flow directly o   |   |
|  | y that flows directly or indirectly into a TNW and has a signficant nexus   |
| Reserved for Section III D 4 (Wetl   |   |
| ·  | ands adjacent to but not directly abutting RPWs):   |
| ·  | Vs that flow directly or indirectly into TNWs.  |
| <ul> <li>Wetland adjacent to non-RPV<br/>has a significant nexus with the<br/>Estimated size of jurisdictional</li> </ul>  |   |
| 7. Impoundments of jurisdiction  | •   |
| Demonstration of Jurisdiction  |   |
| . ISOLATED WATERS, INCLUDING IS  | SOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  |
| WHICH COULD AFFECT INTERSTATE  |   |
| Supporting rationale: Length (linear feet):  | Acres:  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 19A1   |   |
|--|---|
| As described in Section 30 possess a significant nexu  | C1 above, an analysis of this ephemeral drainage determined that it did not us with the nearest TNW.    |
| Explain finding of Other:  |   |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 446.17 linear feet (ft), 11.10 width (ft) acres acres   |
| SECTION IV: DATA SOURCES   |   |
| <ul> <li>✓ Data Sheets Prepared,</li> <li>☐ Office Concurs with</li> <li>☐ Office Does Not Co</li> <li>☐ Data Sheets Prepared</li> <li>☐ Corps Navigable Wate</li> </ul> | by the Corps<br>er Study  |
| ☐ US Geological Survey F☐ USGS NHD Data  |   |
| USGS 8 and 12 dig  |   |
|  | Map(s) Scale and Quad Name: rains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul>                                  | , .   |
| ☐ 100-year Floodplain El   |   |
| = :  | (Name and Date): BING, Microsoft Virtual Earth 2008 (Name and Date): Ground Photos; May 2012            |
| <ul><li>☐ Previous Determinatio</li><li>☐ Applicable/Supporting</li></ul>  | ons File No. and Date of Response Letter:   |
| $\square$ Applicable/Supporting  | g Scientific Literature Citation:   |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM   | <u>MATION</u>   |   |             |                       |
|--|-----------------|---|-------------|-----------------------|
| A. Report Completion Date for App  | oroved Jurisdic | ctional Determination: 07/30/2  | 012         |                       |
| B. District Office and File No: Los  |                 |   |             |                       |
| C. Project Location and Background   | d Information:  | Drainage Feature 19B  |             |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono  | O'odham Nation, Pima and Pinal  | Counties, A | Arizona               |
| Center coordinates of site: Lat.   | 32.5073         | Long111.9100  |             |                       |
| Name of nearest waterbody: Un  | named Wash 1    | 19B   |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | W: Gila River   | between Powers Butte and Gilles   | spie Dam    |                       |
| ✓ Map/Diagram of potential juris   | dictional area  | is available on request   |             |                       |
| D. Review Performed for Site Evalu   |                 | ·   |             |                       |
| Office Determination. Date:  | idtion.         |   |             |                       |
| Field Determination. Date: 05/2  | 2012            |   |             |                       |
|  |                 |   |             |                       |
| SECTION II: SUMMARY OF FINDING   |                 |   |             |                       |
| A. RHA Section 10 Determination  |                 |   |             |                       |
| _  |                 | within RHA jurisdiction in the revi   | ew area.    |                       |
| B. CWA Section 404 Determination   |                 |   |             |                       |
|  | ie U.S. Within  | CWA jurisdiction in the review a  | rea.        |                       |
| 1. Waters of the US:   |                 | 140 ld 761  |             |                       |
| Linear Feet  |                 | Width (ft) and/or   | Acres       |                       |
| Limits of Jurisdiction based on:   |                 |   |             |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional was</li> </ol> |                 | retlands were assessed and deter  | mined not   | to be jurisdictional: |
|  | it possessed a  | lify as a TNW or RPW. Therefore, a significant nexus with a downstrodownstream TNW. |             | •                     |
| SECTION III: CWA ANALYSIS  |                 |   |             |                       |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs     |   |             |                       |
| 1. Identified TNW:   |                 |   |             |                       |
| Rationale for TNW determinat   | tion:           |   |             |                       |
| 2. Rationale for conclusion tha  | nt any wetland  | s present are "adjacent":   |             |                       |
| B. CHARACTERISTICS OF NON-TN   | A/ TRIBLITARV   | AND ITS ADJACENT WETI ANDS  |             |                       |
| TNW Watershed Size (sq mi):  | 49650           | Tributaries flow to TNW:  |             | 4                     |
| Drainage Area (sq mi):   | 0.00039         | River Miles from tributary  | to TNW:     | 30 (or more)          |
| Average Annual Rainfall (in):  | 8.5             | River Miles from tributary  | to RPW:     |                       |
| Average Annual Snowfall (in):  | 0               | Aerial Miles from tributary<br>Aerial Miles from tributary                          |             | 30 (or more)          |
| ☐ Project waters cross or serv   | ve as state bou |   |             |                       |

Feature ID: 19B

| ature ID: 19B                  |  |
|--------------------------------|--|
| Identify flow route to         | TNW:   |
| •                              | vithin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography ely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural          | Explain:   |
| Average Width (ft):            | 7.99   |
| Average Depth (ft):            | 1  |
| Average Side Slopes:           | 2:1  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M | ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  |
| Tributary Condition/St         | tability. Explain: Stable  |
| Presence of Run/Riffle         | e/Pool Complexes. Explain: Not Present   |
| Tributary Coomotry             | Relatively Straight  |
| Tributary Geometry:            | , ,  |

| (c) Flow:                  |  |  |                  |             |          |               |  |
|----------------------------|--|--|------------------|-------------|----------|---------------|--|
| Tributary Provides for:    | Ephemeral Flow                             | ral Flow Average Flow Events per year: 2-  |                  |             |          |               |  |
| Describe Flow Regime:      | Ephemeral                                  | Other Inf                                  | ormatio          |             |          |               |  |
| Surface Flow is:           | Confined                                   | Characte                                   | Characteristics: |             |          |               |  |
| Subsurface Flow:           | No   | Explain:                                   |                  |             |          |               |  |
| Tributary Has:             |  |  |                  |             |          |               |  |
| ☐ Bed and Banks            |  |  |                  |             |          |               |  |
| ✓ OHWM: OHWM Inc           | licators:                                  |  |                  |             |          |               |  |
| ☐ Clear, natural line i    | mpressed on the bank                       | :  | /egetatio        | on matted   | down, b  | ent or absent |  |
| Changes in soil cha        | racter                                     |  | eaf litte.       | r disturbed | d or was | hed away      |  |
| ☐ Shelving                 |  | □ F  | resence          | of litter a | nd debri | S             |  |
| Sediment deposition        | <b>~</b> [                                 | Destruction of terrestrial vegetation      |                  |             |          |               |  |
| ✓ Sediment sorting         | $\square$ Abrupt change in plant community |  |                  |             |          |               |  |
| ☐ Scour                    |  | Multiple observed or predicted flow events |                  |             |          |               |  |
| ☐ Presence of wrack        | line                                       | □ <b>\</b>                                 | Vater st         | aining      |          |               |  |
| Other (list):              |  |  |                  |             |          |               |  |
| ☐ Discontinuous? Ex        | plain:                                     |  |                  |             |          |               |  |
| (iii) Chemical Characteris | tics:                                      |  |                  |             |          |               |  |
| Characterize Tributar      | ry:  |  |                  |             |          |               |  |
| Identify Specific Pollu    | utants, if known:                          |  |                  |             |          |               |  |
|                            |  |  |                  |             |          |               |  |
|                            |  |  |                  |             |          |               |  |
|                            |  |  |                  |             |          |               |  |
|                            |  |  |                  |             |          |               |  |

| iv) Biological Characteristi                          | cs. Channel supports (check all that apply):                         |
|---|--|
| $\square$ Riparian Corridor C                         | haracteristics:  |
| ☐ Wetland Fringe Cha                                  | aracteristics:   |
| Habitat for:  |  |
| ☐ Federally Listed Spec                               | cies Explain:  |
| ☐ Fish/Spawn Areas                                    | Explain:   |
| ☐ Other environmenta                                  | ally -sensitive species Explain:                                     |
| ☐ Aquatic/Wildlife dive                               | ersity Explain:  |
| 2 Characteristics of wotla                            | nds adjacent to non-TNW that flow directly or indirectly into TNW    |
| (i) Physical Characteristics:                         |  |
| Wetland Size (ac):                                    | Wetland Type, Explain:   |
| Wetland Quality, Expla                                | in:  |
| Project Wetlands Cross                                | s or Serve as State Boundaries, Explain:                             |
| Wetland Flow is:                                      | Explain:   |
| Surface Flow is:                                      | Characteristics:   |
| Subsurface Flow:                                      | Explain Findings:  |
| ☐ Wetland Directly Ab                                 | utting Non-TNW   |
| ☐ Wetland Not Directle                                |  |
|   | hydrologic connection Explain:                                       |
| ☐ Ecologcal connect                                   |  |
| $\square$ Separated by bern                           | m/barrier Explain:   |
| Project Wetlands: Rive                                | r Miles from TNW:  |
| Project Wetlands: Aeria                               | al Miles from TNW:   |
| Flow is From:   |  |
| Approximate Location                                  | of Wetland within Floodplain:  |
| (ii) Chemical Characteristics                         | s:   |
| Characterize Wetland S                                | System:  |
|   | cs. Wetland supports (check all that apply):                         |
| Riparian Buffer Ex                                    |  |
| ·   | ercent cover. Explain:   |
| Habitat for:  | steem cover. Explain.  |
| ☐ Federally Listed S                                  | pecies Explain:  |
| ☐ Fish/Spawn Areas                                    | ·  |
| • •   | ntally-sensitive species Explain:                                    |
|   | Diversity Explain:   |
| Aquatic/ Wildlife L                                   | Alanda diagona An Abanco Tanari Character (15 cm.)                   |
| •   | tiangs agiacent to the non-i NW tributary (it any)                   |
| 3. Characteristics of all we                          | tlands adjacent to the non-TNW tributary (if any)                    |
| 3. Characteristics of all wer All wetland(s) consider | red in cumulative analysis: being considered in cumulative analysis: |

| C. SIGNIFICANT NEXUS DET  | FERMINATION  |
|---|--|
| 1. Significant nexus find into TNW. Explain:  | ings for non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte a discharges, in combination downstream manmade in possibility of a hydrologic critical habitats were ide does not provide lifecycle drainage does not have a biological integrity of the            | al drainage is located more than 100 river miles from the nearest TNW, the Gila River and Gillespie Dam. An analysis of peak yearly discharges and potential flood on with the geomorphology of the Analysis Area, the presence of a significant impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the connection between this drainage and the TNW is tenuous. No pollutants or entified within the Analysis Area. Additionally, this unnamed ephemeral drainage le support functions, nutrients, or organic carbon to species within the TNW. This more than a speculative or insubstantial effect on the physical, chemical, and/or e TNW. Therefore, this unnamed ephemeral drainage does not possess a significant ch of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus find or indirectly into TNW.   | ings for non-RPW and its adjacent wetlands, where the non-RPW flows directly Explain:  |
| 3. Significant nexus find Explain:  | lings for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| ☐ TNWs: ☐ Wetlands adjacent t   |  |
| -   | D 2 (RPWs):  |
| Reserved for Section III I  |  |
| Reserved for Section III I  3. Non-RPWs that flow o  Non-TNW/non-RPW with a TNW, and is the   | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.   |
| Reserved for Section III I  3. Non-RPWs that flow o  Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):   | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet): Acres:   |
| Reserved for Section III I  3. Non-RPWs that flow of the Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III   | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):   |
| Reserved for Section III I  3. Non-RPWs that flow of the section III III III III III III III III III I  | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| Reserved for Section III I  3. Non-RPWs that flow of the Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III  Reserved for Section III  6. Wetlands adjacent to has a significant next | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  o non-RPWs that flow directly or indirectly into TNWs.  o non-RPWs which, in combination with the tributary and other adjacent wetlands, but with the TNW.   |
| Reserved for Section III I  3. Non-RPWs that flow of the Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III  Reserved for Section III  6. Wetlands adjacent to has a significant next | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus herfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  o non-RPWs that flow directly or indirectly into TNWs.  o non-RPWs which, in combination with the tributary and other adjacent wetlands, but with the TNW.  risdictional wetland (in acres):   |
| Reserved for Section III I  3. Non-RPWs that flow of the section III III III III III III III III III I  | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  o non-RPWs that flow directly or indirectly into TNWs.  o non-RPWs which, in combination with the tributary and other adjacent wetlands, sus with the TNW.  risdictional wetland (in acres):  risdictional waters.   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 19B  As described in Section 3C1 a | above, an analysis  | of this epher  | meral draina: | ge determined that it | did not     |
|--|---------------------|----------------|---------------|-----------------------|-------------|
| possess a significant nexus w                  |                     | •              | Trerar arania | Be determined that it |             |
| Explain finding of Other:                      |                     |                |               |                       |             |
| ✓ Non-wetland waters                           | 1359.49 line        | ear feet (ft), | 7.99          | width (ft)            |             |
| ☐ Other waters                                 | acr                 | es             |               |                       |             |
| ☐ Wetlands                                     | acr                 | es             |               |                       |             |
|  |                     |                |               |                       |             |
| ECTION IV: DATA SOURCES                        |                     |                |               |                       |             |
| ✓ Maps, Plans, Plots or Plat                   | •                   | • •            |               | estLand Resources, In | <b>C.</b>   |
| ✓ Data Sheets Prepared/Su                      |                     | f of Applicant | •             |                       |             |
| Office Concurs with d                          |                     |                |               |                       |             |
| ☐ Office Does Not Conc                         |                     | n              |               |                       |             |
| ☐ Data Sheets Prepared by                      | •                   |                |               |                       |             |
| ☐ Corps Navigable Water S                      | •                   |                |               |                       |             |
| ☐ US Geological Survey Hyd                     | drologic Atlas      |                |               |                       |             |
| USGS NHD Data                                  |                     |                |               |                       |             |
| $\square$ USGS 8 and 12 digit F                | IUC Мар             |                |               |                       |             |
| ✓ US Geological Survey Ma                      | p(s) Scale and O    | uad Name:      |               |                       |             |
|  | • • •               |                | Rosa Mount    | tains NW 7.5-Minute   | Ouadrangles |
|  | ·                   |                |               |                       |             |
| ☐ USDA Nat'l Res Conserva                      |                     | •              | ion:          |                       |             |
| ☐ National Wetlands Inven                      |                     | Map Name:      |               |                       |             |
| ☐ State/Local Wetland Inve                     | entory Maps         |                |               |                       |             |
| ☐ FEMA/FIR Maps                                |                     |                |               |                       |             |
| 100-year Floodplain Elev                       |                     |                | •             | Geodetic Vertical Dat | um of 1929) |
| Aerial Photographs (Na                         | · ·                 |                |               | th 2008               |             |
| ✓ Other Photographs (Na                        | me and Date): G     | round Photos   | s; May 2012   |                       |             |
| Previous Determinations                        |                     | te of Respons  | se Letter:    |                       |             |
| Applicable/Supporting Ca                       |                     |                |               |                       |             |
| ☐ Applicable/Supporting Sc                     | ientific Literature | Citation:      |               |                       |             |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION   |                           |
|---|---------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |                           |
| B. District Office and File No: Los Angeles District, File No. Pending  |                           |
| C. Project Location and Background Information: Drainage Feature 1A   |                           |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Countie   | es, Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |                           |
| Name of nearest waterbody: Unnamed Wash 1A  |                           |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Da  | m                         |
| HUC Code: 15050306  |                           |
| ✓ Map/Diagram of potential jurisdictional area is available on request  |                           |
| D. Review Performed for Site Evaluation:  |                           |
| Office Determination. Date:   |                           |
| Field Determination. Date: 05/2012  |                           |
|   |                           |
| SECTION II: SUMMARY OF FINDINGS   |                           |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area   |                           |
|   | ı <b>.</b>                |
| B. CWA Section 404 Determination of Jurisdiction  |                           |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.   |                           |
| 1. Waters of the US:  |                           |
| Linear Feet Width (ft) and/or Acres   |                           |
| Limits of Jurisdiction based on:  |                           |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined remains and the second s</li></ul> | not to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this draconsidered jurisdictional if it possessed a significant nexus with a downstream TN not possess a significant nexus with the downstream TNW.  | •                         |
| SECTION III: CWA ANALYSIS   |                           |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |                           |
| 1. Identified TNW:  |                           |
| Rationale for TNW determination:  |                           |
| 2. Deticated for constraint that any westless de apparent and lie discountly.   |                           |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |                           |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS   |                           |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4                         |
| Drainage Area (sq mi): 0.00004 River Miles from tributary to TNV  |                           |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNV  |                           |
| Average Annual Showfall (III): O Aerial Miles from tributary to TNV  Aerial Miles from tributary to RPV   |                           |
| ☐ Project waters cross or serve as state boundaries. Explain:   |                           |

Feature ID: 1A

| suggests the most likely route of portions.  Tributary is: Natural Explain Average Width (ft): 3.96  Average Depth (ft): 1  Average Side Slopes: 2:1  Primary tributary substrate compositions. □ Cobble   |   |
|--|---|
| suggests the most likely route of portain River.  Tributary is: Natural Explain Average Width (ft): 3.96  Average Depth (ft): 1  Average Side Slopes: 2:1  Primary tributary substrate composition of portain substrate composition substrate comp | ein:  |
| Average Width (ft): 3.96  Average Depth (ft): 1  Average Side Slopes: 2:1  Primary tributary substrate compose  ✓ Silts □ Sands □ Cobble   |   |
| Average Depth (ft): 1 Average Side Slopes: 2:1  Primary tributary substrate compose  ✓ Silts ☐ Sands ☐ Cobble  | osition (check all that apply):                   |
| Average Side Slopes: 2:1  Primary tributary substrate compose  ✓ Silts ☐ Sands ☐ Cobble  | osition (check all that apply):                   |
| Primary tributary substrate compos  ✓ Silts ☐ Sands ☐ Cobble   | osition (check all that apply):                   |
| ✓ Silts ☐ Sands ☐ Cobble   | osition (check all that apply):                   |
| ☐ Concrete ☐ Muck Other  | les □ Bedrock ☑ Gravel □ Vegetation ner, Explain: |
| Tributary Condition/Stability. Expla   | ain: Stable                                       |
| Presence of Run/Riffle/Pool Comple   | lexes. Explain: Not Present                       |
| Tributary Geometry: Relatively S   | Straight  |
| Tributary Gradient (approximate av   |   |

| (c) Flow:                  |                      |   |            |              |            |                |    |
|----------------------------|----------------------|---|------------|--------------|------------|----------------|----|
| Tributary Provides for:    | Ephemeral Flow       | Average                                   |            |              |            | 2-5            |    |
| Describe Flow Regime:      | Ephemeral            | Other Information on Duration and Volume: |            |              |            |                |    |
| Surface Flow is:           | Confined             | Characteristics:                          |            |              |            |                |    |
| Subsurface Flow:           | No                   | Explain:                                  |            |              |            |                |    |
| Tributary Has:             |                      |   |            |              |            |                |    |
| ✓ Bed and Banks            |                      |   |            |              |            |                |    |
| ✓ OHWM: OHWM Inc           | dicators:            |   |            |              |            |                |    |
| ☐ Clear, natural line i    | mpressed on the bank | :   | /egetati   | on matted    | down, b    | ent or absent  |    |
| ✓ Changes in soil cha      | racter               |   | eaf litte. | r disturbed  | l or wasł  | ned away       |    |
| ☐ Shelving                 |                      | □ F                                       | resence    | of litter a  | nd debri   | 5              |    |
| ☐ Sediment deposition      | on                   | <b>✓</b> [                                | Destruct   | ion of terre | estrial ve | getation       |    |
| ✓ Sediment sorting         |                      | ☐ Abrupt change in plant community        |            |              |            |                |    |
| ☐ Scour                    |                      |   | Multiple   | observed o   | or predic  | ted flow event | ts |
| ☐ Presence of wrack        | line                 |   | Vater st   | aining       |            |                |    |
| Other (list):              |                      |   |            |              |            |                |    |
| ☐ Discontinuous? Ex        | rplain:              |   |            |              |            |                |    |
| (iii) Chemical Characteris | tics:                |   |            |              |            |                |    |
| Characterize Tributa       | ry:                  |   |            |              |            |                |    |
| Identify Specific Poll     |                      |   |            |              |            |                |    |
|                            |                      |   |            |              |            |                |    |
|                            |                      |   |            |              |            |                |    |
|                            |                      |   |            |              |            |                |    |
|                            |                      |   |            |              |            |                |    |

| Riparian Corridor Characteristics:  Wetland Fringe Characteristics:  Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally -sensitive species Explain:  Aquatic/Wildlife diversity Explain:  | Feature ID: 1A   |      |
|--|--|------|
| Wetland Fringe Characteristics:   Habitat For:   Federally Listed Species   Explain:   Fish/Spawn Areas   Explain:   Other environmentally-sensitive species   Explain:   Other environmentally-sensitive species   Explain:   Aquatic/Wildlife diversity   Explain:   Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW   Physical Characteristics:   Wetland Size (ac):   Wetland Type, Explain:     Wetland Quality, Explain:   Project Wetlands Cross or Serve as State Boundaries, Explain:     Wetland Flow is:   Explain:     Surface Flow is:   Characteristics:     Subsurface Flow:   Explain Findings:       Wetland Directly Abutting Non-TNW   Wetland Directly Abutting Non-TNW     Discrete wetland hydrologic connection   Explain:     Ecological connection   Explain:       Ecological connection   Explain:       Ecological connection   Explain:       Project Wetlands: Alerial Miles from TNW:     Otherical Characteristics:     Otherical Characteristics:     Otherical Characteristics:     Otherical Characteristics:     Habitat for:     Federally Listed Species   Explain:       Gederally Listed Species   Explain:       Fish/Spawn Areas   Explain:       Other environmentally-sensitive species   Explain:       Other environmentally-sensitive species   Explain:       Other environmentally-sensitive species   Explain:       Aquatic/Wildlife Diversity   Explain:       Other environmentally-sensitive species       Other environmentally-sensitive species | (iv) Biological Characteristics. Channel supports (check all that apply):  |      |
| Habitat for:    Federally Listed Species   Explain:     Chemical Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW     Physical Characteristics:   Wetland Size (ac):   Wetland Type, Explain:     Project Wetlands Cross or Serve as State Boundaries, Explain:     Wetland Flow is:   Explain:     Surface Flow is:   Explain:     Wetland Directly Abutting Non-TNW     Wetland Directly Abutting Non-TNW     Wetland Not Directly Abutting Non-TNW     Wetland Scope (connection   Explain:     Ecological Connection   Explain:     Froject Wetlands: River Miles from TNW:     Project Wetlands: River Miles from TNW:     Froject Wetlands: River Miles from TNW:     Froject Wetlands: Alies from TNW:     Flow is From:     Approximate Location of Wetland within Floodplain:     Chemical Characteristics. Wetland supports (check all that apply):     Biological Characteristics. Wetland supports (check all that apply):     Riparian Buffer   Explain:     Vegetation type/percent cover. Explain:     Habitat for:     Federally Listed Species   Explain:     Fish/Spawn Areas   Explain:     Ghemical Characteristics   Explain:     Aquatic/Wildlife Diversity   Explain:     Aquatic/Wildlife Diversity   Explain:     Aduatic/Wildlife Diversity   Explain:     Aduatic/Wildlife Diversity   Explain:     Aduatic/Wildlife Diversity   Explain:     Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   | Riparian Corridor Characteristics:   |      |
| Federally Listed Species   Explain:  | ☐ Wetland Fringe Characteristics:  |      |
| Fish/Spawn Areas   | Habitat for:   |      |
| Other environmentally -sensitive species   Explain:   Aquatic/Wildlife diversity   Explain:  | ☐ Federally Listed Species Explain:  |      |
| Aquatic/Wildlife diversity Explain:  | ☐ Fish/Spawn Areas Explain:  |      |
| Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW Physical Characteristics:  Wetland Size (ac):  | ☐ Other environmentally -sensitive species Explain:  |      |
| Physical Characteristics:    Wetland Size (ac):  | ☐ Aquatic/Wildlife diversity Explain:  |      |
| Wetland Size (ac):   | 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                       |      |
| Wetland Quality, Explain: Project Wetlands Cross or Serve as State Boundaries, Explain: Wetland Flow is: Surface Flow is: Subsurface Flow: Characteristics: Subsurface Flow: Explain Findings:  Wetland Directly Abutting Non-TNW Wetland Not Directly Abutting Non-TNW Discrete wetland hydrologic connection Explain: Separated by berm/barrier Explain: Project Wetlands: River Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain:  Chemical Characteristics: Characterize Wetland System: Biblological Characteristics. Wetland supports (check all that apply): Riparian Buffer Explain: Vegetation type/percent cover. Explain: Habitat for: Federally Listed Species Explain: Ghemical Characteristics Sexplain: Aquatic/Wildlife Diversity Explain: Characteristics of all wetlands adjacent to the non-TNW tributary (if any) All wetland(s) considered in cumulative analysis: Wetland acres in total being considered in cumulative analysis:   | •  |      |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  Wetland Flow is:  Surface Flow is:  Characteristics:  Subsurface Flow:  Explain Findings:  Wetland Directly Abutting Non-TNW  Wetland Not Directly Abutting Non-TNW  Siscrete wetland hydrologic connection  Ecological connection  Ecological connection  Explain:  Project Wetlands: River Miles from TNW:  Project Wetlands: Aerial Miles from TNW:  Flow is From:  Approximate Location of Wetland within Floodplain:  i) Chemical Characteristics:  Characterize Wetland System:    Biological Characteristics. Wetland supports (check all that apply):    Riparian Buffer  |  |      |
| Wetland Flow is:  Surface Flow is:  Subsurface Flow:  Explain Findings:  Wetland Directly Abutting Non-TNW  Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Ecological connection Explain:  Separated by berm/barrier Explain:  Project Wetlands: River Miles from TNW:  Project Wetlands: Aerial Miles from TNW:  Flow is From:  Approximate Location of Wetland within Floodplain:  () Chemical Characteristics:  Characterize Wetland System:   |  |      |
| Surface Flow is:   |  |      |
| Subsurface Flow: Explain Findings:  Wetland Directly Abutting Non-TNW Wetland Not Directly Abutting Non-TNW Discrete wetland hydrologic connection Explain: Ecological connection Explain: Separated by berm/barrier Explain: Project Wetlands: River Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain:  Shaproximate Location of Wetland within Floodplain:  Chemical Characteristics: Characterize Wetland System: Si) Biological Characteristics. Wetland supports (check all that apply): Riparian Buffer Explain: Vegetation type/percent cover. Explain: Habitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Gherical Characteristics of all wetlands adjacent to the non-TNW tributary (if any) All wetland(s) considered in cumulative analysis: Wetland acres in total being considered in cumulative analysis:   |  |      |
| Wetland Directly Abutting Non-TNW     Wetland Not Directly Abutting Non-TNW     Discrete wetland hydrologic connection   Explain:     Ecological connection   Explain:     Separated by berm/barrier   Explain:     Project Wetlands: River Miles from TNW:     Project Wetlands: Aerial Miles from TNW:     Flow is From:     Approximate Location of Wetland within Floodplain:     Othemical Characteristics:     Characterize Wetland System:     Biological Characteristics. Wetland supports (check all that apply):     Riparian Buffer   Explain:     Vegetation type/percent cover. Explain:     Habitat for:     Federally Listed Species   Explain:     Gther environmentally-sensitive species   Explain:     Aquatic/Wildlife Diversity   Explain:     Characteristics of all wetlands adjacent to the non-TNW tributary (if any)     All wetland(s) considered in cumulative analysis:     Wetland acres in total being considered in cumulative analysis:   |  |      |
| Wetland Not Directly Abutting Non-TNW   □ Discrete wetland hydrologic connection Explain:   □ Ecologcal connection Explain:   □ Separated by berm/barrier Explain:   Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW:   Flow is From: Approximate Location of Wetland within Floodplain:   ii) Chemical Characteristics: Characterize Wetland System:   iii) Biological Characteristics. Wetland supports (check all that apply):   □ Riparian Buffer Explain:   □ Vegetation type/percent cover. Explain: Habitat for:   □ Federally Listed Species Explain:   □ Fish/Spawn Areas Explain:   □ Other environmentally-sensitive species Explain:   □ Aquatic/Wildlife Diversity Explain:   ∴ Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   All wetland(s) considered in cumulative analysis:   Wetland acres in total being considered in cumulative analysis:  |  |      |
| □ Discrete wetland hydrologic connection Explain: □ Ecologcal connection Explain: □ Separated by berm/barrier Explain: Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain: i) Chemical Characteristics: Characterize Wetland System: □ Biological Characteristics. Wetland supports (check all that apply): □ Riparian Buffer Explain: □ Vegetation type/percent cover. Explain: □ Habitat for: □ Federally Listed Species Explain: □ Fish/Spawn Areas Explain: □ Other environmentally-sensitive species Explain: □ Aquatic/Wildlife Diversity Explain: □ Aquatic/Wildlife Diversity Explain: □ Characteristics of all wetlands adjacent to the non-TNW tributary (if any) All wetland(s) considered in cumulative analysis: Wetland acres in total being considered in cumulative analysis:  | , ,  |      |
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| Separated by berm/barrier Explain:   Project Wetlands: River Miles from TNW:   Project Wetlands: Aerial Miles from TNW:   Flow is From:  |  |      |
| Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain:  i) Chemical Characteristics: Characterize Wetland System:  ii) Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain: Vegetation type/percent cover. Explain: Habitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain: Aquatic/Wildlife Diversity Explain: Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis: Wetland acres in total being considered in cumulative analysis:   |  |      |
| Project Wetlands: Aerial Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain:  i) Chemical Characteristics: Characterize Wetland System:  ii) Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain: Vegetation type/percent cover. Explain: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain: Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis: Wetland acres in total being considered in cumulative analysis:  |  |      |
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| Characterize Wetland System:  ii) Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain: Vegetation type/percent cover. Explain: Habitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain: Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis: Wetland acres in total being considered in cumulative analysis:   | Approximate Location of Wetland within Floodplain:   |      |
| ii) Biological Characteristics. Wetland supports (check all that apply):    Riparian Buffer   Explain:     Vegetation type/percent cover. Explain:     Habitat for:     Federally Listed Species   Explain:     Other environmentally-sensitive species   Explain:     Aquatic/Wildlife Diversity   Explain:     Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis:     Wetland acres in total being considered in cumulative analysis:   | i) Chemical Characteristics:   |      |
| ii) Biological Characteristics. Wetland supports (check all that apply):    Riparian Buffer  | Characterize Wetland System:   |      |
| □ Riparian Buffer Explain: □ Vegetation type/percent cover. Explain:   □ Habitat for: □ Federally Listed Species Explain:   □ Fish/Spawn Areas Explain: □ Other environmentally-sensitive species Explain:   □ Aquatic/Wildlife Diversity Explain:    Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:   |  |      |
| <ul> <li>□ Vegetation type/percent cover. Explain:</li> <li>Habitat for:</li> <li>□ Federally Listed Species Explain:</li> <li>□ Gish/Spawn Areas Explain:</li> <li>□ Other environmentally-sensitive species Explain:</li> <li>□ Aquatic/Wildlife Diversity Explain:</li> <li>Characteristics of all wetlands adjacent to the non-TNW tributary (if any)</li> <li>All wetland(s) considered in cumulative analysis:</li> <li>Wetland acres in total being considered in cumulative analysis:</li> </ul>   |  |      |
| Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally-sensitive species Explain:  Aquatic/Wildlife Diversity Explain:  Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:  |  |      |
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| ☐ Fish/Spawn Areas Explain: ☐ Other environmentally-sensitive species Explain: ☐ Aquatic/Wildlife Diversity Explain:  Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:   |  |      |
| ☐ Other environmentally-sensitive species Explain: ☐ Aquatic/Wildlife Diversity Explain:  Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:   |  |      |
| Aquatic/Wildlife Diversity Explain:  Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:  |  |      |
| Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:   |  |      |
| All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:   |  |      |
| Wetland acres in total being considered in cumulative analysis:  |  |      |
|  |  |      |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions):  |  | ,    |
|  | Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical function | 15): |

|  | ATION   |
|--|---|
| 1. Significant nexus findings for n into TNW. Explain:   | non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gilles discharges, in combination with the downstream manmade impounds possibility of a hydrologic connect critical habitats were identified widoes not provide lifecycle support drainage does not have more that biological integrity of the TNW. The | ge is located more than 100 river miles from the nearest TNW, the Gila Repie Dam. An analysis of peak yearly discharges and potential flood the geomorphology of the Analysis Area, the presence of a significant ment (Tat Momolikot Dam), and the distance to the TNW, suggests that the tion between this drainage and the TNW is tenuous. No pollutants or within the Analysis Area. Additionally, this unnamed ephemeral drainage to functions, nutrients, or organic carbon to species within the TNW. This is a speculative or insubstantial effect on the physical, chemical, and/or herefore, this unnamed ephemeral drainage does not possess a signification of Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for n or indirectly into TNW. Explain:   | non-RPW and its adjacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for v Explain:   | wetlands adjacent to an RPW but that do not directly abut the RPW.  |
| D. DETERMINATIONS OF JURISDICT   | TONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| 1. TNWs and Adjacent Wetlands  |   |
| ☐ TNWs: Linear   | Feet Width (ft), Or, Acres  |
| Wetlands adjacent to TNWs:   |   |
| Reserved for Section III D 2 (RPWs   |   |
| 3. Non-RPWs that flow directly o   |   |
| •  | dy that flows directly or indirectly into a TNW and has a signficant nexus  |
| Length (Linear Feet):  | Width (feet): Acres:  |
| Reserved for Section III D 4 (Wet  | tlands directly abutting RPWs):   |
| Reserved for Section III D 5 (Wet  | tlands adjacent to but not directly abutting RPWs):   |
| 6. Wetlands adjacent to non-RP   | Ws that flow directly or indirectly into TNWs.  |
| 5. 5. 5. 5. 6. a. j. 5. 6. 1. 5. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.  |   |
| •  | Ws which, in combination with the tributary and other adjacent wetlands he TNW.   |
| ☐ Wetland adjacent to non-RPV  | he TNW.   |
| <ul> <li>Wetland adjacent to non-RPV<br/>has a significant nexus with the</li> </ul>   | he TNW. al wetland (in acres):  |
| ☐ Wetland adjacent to non-RPV has a significant nexus with the Estimated size of jurisdictions   | he TNW. al wetland (in acres): nal waters.  |
| <ul> <li>Wetland adjacent to non-RPV has a significant nexus with the Estimated size of jurisdiction</li> <li>Impoundments of jurisdiction</li> <li>Demonstration of Jurisdiction</li> </ul>   | he TNW. al wetland (in acres): nal waters. n: ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 1A   |  |
|--|--|
| As described in Section 30 possess a significant nexu  | c1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW.    |
| Explain finding of Other:  |  |
| <ul><li>Non-wetland waters</li><li>Other waters</li><li>Wetlands</li></ul>   | 257.92 linear feet (ft), 3.96 width (ft) acres acres   |
| SECTION IV: DATA SOURCES   |  |
| <ul><li>✓ Maps, Plans, Plots or F</li><li>✓ Data Sheets Prepared,</li><li>☐ Office Concurs with</li><li>☐ Office Does Not Co</li></ul>                             | ncur with delineation  |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey B</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas  |
|  | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul>                            |  |
| ☐ 100-year Floodplain El   | evation is: (National Geodetic Vertical Datum of 1929)   |
|  | Name and Date): BING, Microsoft Virtual Earth 2008   |
| ✓ Other Photographs (  | Name and Date): Ground Photos; May 2012  |
| <ul><li>☐ Previous Determination</li><li>☐ Applicable/Supporting</li><li>☐ Applicable/Supporting</li></ul>   |  |
| Other Information, Ple   |  |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION   |                       |
|---|-----------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |                       |
| B. District Office and File No: Los Angeles District, File No. Pending  |                       |
| C. Project Location and Background Information: Drainage Feature 2  |                       |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties,   | Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |                       |
| Name of nearest waterbody: Unnamed Wash 2   |                       |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam   |                       |
| HUC Code: 15050306  |                       |
| ✓ Map/Diagram of potential jurisdictional area is available on request  |                       |
| D. Review Performed for Site Evaluation:  |                       |
| Office Determination. Date:   |                       |
| Field Determination. Date: 05/2012  |                       |
|   |                       |
| SECTION II: SUMMARY OF FINDINGS   |                       |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.  |                       |
|   |                       |
| B. CWA Section 404 Determination of Jurisdiction  There Are No  "waters of the U.S." within CWA jurisdiction in the review area.  |                       |
| 1. Waters of the US:  |                       |
| Linear Feet Width (ft) and/or Acres   |                       |
| Limits of Jurisdiction based on:  |                       |
|   |                       |
| <ol> <li>Non-Regulated Waters/Wetlands:</li> <li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined not</li> </ol>  | to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drains considered jurisdictional if it possessed a significant nexus with a downstream TNW not possess a significant nexus with the downstream TNW. | •                     |
| SECTION III: CWA ANALYSIS   |                       |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |                       |
| 1. Identified TNW:  |                       |
| Rationale for TNW determination:  |                       |
| 2. Dationale for anythesian that any matter de manage and the discountly.   |                       |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |                       |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS   |                       |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4                     |
| Drainage Area (sq mi): 0.00046 River Miles from tributary to TNW:   | 30 (or more)          |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:  Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW:   | 30 (or more)          |
| Average Affilial Showfall (III): U Aerial Miles from tributary to TNW:  Aerial Miles from tributary to RPW:   | 30 (01 111019)        |
| ☐ Project waters cross or serve as state boundaries. Explain:   |                       |

Feature ID: 2

| Identify flow route to   | NW:   |  |
|--|---|--|
| •  | hin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topogr<br>route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gil |  |
| Tributary is: Natural  | Explain:  |  |
| Average Width (ft):  | 55  |  |
| Average Depth (ft):  |   |  |
|  |   |  |
|  | 1 ate composition (check all that apply):   |  |
| Primary tributary sub  | ate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  |  |
| ✓ Silts ☐ Sands  | ate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ✔ Gravel ☐ Vegetation ck Other, Explain:   |  |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/S | ate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ✔ Gravel ☐ Vegetation ck Other, Explain:   |  |
| Primary tributary sub  Silts   | ate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  ck Other, Explain:  pility. Explain: Stable                               |  |

| (c) Flow:                  |                       |                                      |            |             |            |                  |  |
|----------------------------|-----------------------|--------------------------------------|------------|-------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average                              | Flow Eve   | ents per ye | ear:       | 2-5              |  |
| Describe Flow Regime:      | Ephemeral             | Other Information on Duration and Vo |            |             | tion and   | Volume:          |  |
| Surface Flow is:           | Confined              | Characteristics:                     |            |             |            |                  |  |
| Subsurface Flow:           | No                    | Explain:                             |            |             |            |                  |  |
| Tributary Has:             |                       |                                      |            |             |            |                  |  |
| ✓ Bed and Banks            |                       |                                      |            |             |            |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:             |                                      |            |             |            |                  |  |
| ☐ Clear, natural line      | impressed on the bank | i                                    | /egetatio  | on matted   | down, k    | ent or absent    |  |
| ✓ Changes in soil cha      | racter                |                                      | eaf litte. | r disturbed | d or was   | hed away         |  |
| ☐ Shelving                 | _                     |                                      |            | of litter a | nd debri   | S                |  |
| ☐ Sediment deposition      | on                    | ✓ [                                  | Destructi  | ion of terr | estrial ve | egetation        |  |
| ✓ Sediment sorting         |                       | ☐ Abrupt change in plant community   |            |             |            |                  |  |
| ☐ Scour                    |                       |                                      | Multiple   | observed    | or predi   | cted flow events |  |
| ☐ Presence of wrack        | line                  |                                      | Vater sta  | aining      |            |                  |  |
| Other (list):              |                       |                                      |            |             |            |                  |  |
| ☐ Discontinuous? Ex        | rplain:               |                                      |            |             |            |                  |  |
| (iii) Chemical Characteris | tics:                 |                                      |            |             |            |                  |  |
| Characterize Tributa       | ry:                   |                                      |            |             |            |                  |  |
| Identify Specific Poll     | •                     |                                      |            |             |            |                  |  |
| , ,                        | ,                     |                                      |            |             |            |                  |  |
|                            |                       |                                      |            |             |            |                  |  |
|                            |                       |                                      |            |             |            |                  |  |
|                            |                       |                                      |            |             |            |                  |  |

| (iv) Biological Characteristics. Channel supports (check all that apply):  Riparian Corridor Characteristics:  Wetland Fringe Characteristics:  Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally -sensitive species Explain:  Aquatic/Wildlife diversity Explain: |          |
|--|----------|
| <ul> <li>□ Wetland Fringe Characteristics:</li> <li>□ Habitat for:</li> <li>□ Federally Listed Species Explain:</li> <li>□ Fish/Spawn Areas Explain:</li> <li>□ Other environmentally -sensitive species Explain:</li> <li>□ Aquatic/Wildlife diversity Explain:</li> </ul>  |          |
| Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally -sensitive species Explain:  Aquatic/Wildlife diversity Explain:   |          |
| <ul> <li>☐ Federally Listed Species Explain:</li> <li>☐ Fish/Spawn Areas Explain:</li> <li>☐ Other environmentally -sensitive species Explain:</li> <li>☐ Aquatic/Wildlife diversity Explain:</li> </ul>   |          |
| <ul> <li>☐ Fish/Spawn Areas</li> <li>☐ Other environmentally -sensitive species</li> <li>☐ Aquatic/Wildlife diversity</li> <li>Explain:</li> </ul>   |          |
| ☐ Other environmentally -sensitive species Explain: ☐ Aquatic/Wildlife diversity Explain:  |          |
| ☐ Aquatic/Wildlife diversity Explain:  |          |
|  |          |
|  |          |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW   |          |
| i) Physical Characteristics:   |          |
| Wetland Size (ac): Wetland Type, Explain:  |          |
| Wetland Quality, Explain:  |          |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |          |
| Wetland Flow is: Explain:  |          |
| Surface Flow is: Characteristics:  |          |
| Subsurface Flow: Explain Findings:   |          |
| ☐ Wetland Directly Abutting Non-TNW  |          |
| ☐ Wetland Not Directly Abutting Non-TNW  |          |
| ☐ Discrete wetland hydrologic connection Explain:  |          |
| ☐ Ecological connection Explain:   |          |
| ☐ Separated by berm/barrier Explain:   |          |
| Project Wetlands: River Miles from TNW:  |          |
| Project Wetlands: Aerial Miles from TNW:   |          |
| Flow is From:  |          |
| Approximate Location of Wetland within Floodplain:   |          |
| ) Chemical Characteristics:  |          |
| Characterize Wetland System:   |          |
|  |          |
| i) Biological Characteristics. Wetland supports (check all that apply):  |          |
| Riparian Buffer Explain:   |          |
| ☐ Vegetation type/percent cover. Explain:  |          |
| Habitat for:   |          |
| Federally Listed Species Explain:  |          |
| ☐ Fish/Spawn Areas Explain: ☐ Other environmentally-sensitive species Explain:   |          |
| <ul><li>☐ Other environmentally-sensitive species Explain:</li><li>☐ Aquatic/Wildlife Diversity Explain:</li></ul>   |          |
|  |          |
| . Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |          |
| All wetland(s) considered in cumulative analysis:  |          |
| Wetland acres in total being considered in cumulative analysis:  |          |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fund   | ctions): |

| . SIGNIFICANT NEXUS DETE  | ERMINATION   |
|---|--|
| 1. Significant nexus finding into TNW. Explain:   | ngs for non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and discharges, in combination downstream manmade im possibility of a hydrologic of critical habitats were ident does not provide lifecycle adrainage does not have mobiological integrity of the T  | drainage is located more than 100 river miles from the nearest TNW, the Gila River discharges and potential flood in with the geomorphology of the Analysis Area, the presence of a significant inpoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the connection between this drainage and the TNW is tenuous. No pollutants or tified within the Analysis Area. Additionally, this unnamed ephemeral drainage support functions, nutrients, or organic carbon to species within the TNW. This core than a speculative or insubstantial effect on the physical, chemical, and/or TNW. Therefore, this unnamed ephemeral drainage does not possess a significant in of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus finding or indirectly into TNW. Ex   | ngs for non-RPW and its adjacent wetlands, where the non-RPW flows directly kplain:  |
| 3. Significant nexus finding Explain:   | ngs for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
|   |  |
| . DETERMINATIONS OF JUR   | RISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| 1. TNWs and Adjacent We   | ·  |
|   |  |
| _   | Linear Feet Width (ft) Or Acres  |
| ☐ TNWs:   | Linear Feet Width (ft), Or, Acres  |
| ☐ TNWs: ☐ Wetlands adjacent to  | TNWs: Acres  |
| ☐ TNWs: ☐ Wetlands adjacent to Reserved for Section III D 2   | TNWs: Acres 2 (RPWs):  |
| ☐ TNWs: ☐ Wetlands adjacent to Reserved for Section III D 2  3. Non-RPWs that flow diagrams.  | TNWs: Acres 2 (RPWs): irectly or indirectly into TNWs.   |
| ☐ TNWs: ☐ Wetlands adjacent to Reserved for Section III D 2  3. Non-RPWs that flow did ☐ Non-TNW/non-RPW w  | TNWs: Acres 2 (RPWs): irectly or indirectly into TNWs. vaterbody that flows directly or indirectly into a TNW and has a signficant nexus   |
| ☐ TNWs: ☐ Wetlands adjacent to Reserved for Section III D 2  3. Non-RPWs that flow did ☐ Non-TNW/non-RPW we with a TNW, and is the  | TNWs: Acres 2 (RPWs): irectly or indirectly into TNWs. vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  |
| ☐ TNWs: ☐ Wetlands adjacent to Reserved for Section III D 2  3. Non-RPWs that flow did ☐ Non-TNW/non-RPW we with a TNW, and is the Length (Linear Feet):  | TNWs: Acres 2 (RPWs): irectly or indirectly into TNWs. vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet): Acres:  |
| ☐ TNWs: ☐ Wetlands adjacent to Reserved for Section III D 2  3. Non-RPWs that flow did ☐ Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet): Reserved for Section III D  | TNWs: Acres 2 (RPWs): irectly or indirectly into TNWs. vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet): Acres: 0 4 (Wetlands directly abutting RPWs):   |
| □ TNWs: □ Wetlands adjacent to Reserved for Section III D 2  3. Non-RPWs that flow did □ Non-TNW/non-RPW which a TNW, and is the Length (Linear Feet): Reserved for Section III D Reserved for Section III D  | Acres 2 (RPWs): irectly or indirectly into TNWs. vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet): Acres: 0 4 (Wetlands directly abutting RPWs): 0 5 (Wetlands adjacent to but not directly abutting RPWs):  |
| □ TNWs: □ Wetlands adjacent to Reserved for Section III D 2  3. Non-RPWs that flow dia □ Non-TNW/non-RPW w with a TNW, and is the Length (Linear Feet): Reserved for Section III D Reserved for Section III D  6. Wetlands adjacent to r  | TNWs: Acres 2 (RPWs): irectly or indirectly into TNWs. vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet): Acres: 0 4 (Wetlands directly abutting RPWs): 0 5 (Wetlands adjacent to but not directly abutting RPWs): non-RPWs that flow directly or indirectly into TNWs. non-RPWs which, in combination with the tributary and other adjacent wetlands,  |
| □ TNWs: □ Wetlands adjacent to Reserved for Section III D 2  3. Non-RPWs that flow did □ Non-TNW/non-RPW we with a TNW, and is the Length (Linear Feet): Reserved for Section III D Reserved for Section III D  6. Wetlands adjacent to red wetlands adjacent to red has a significant nexus  | TNWs: Acres 2 (RPWs): irectly or indirectly into TNWs. vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet): Acres: 0 4 (Wetlands directly abutting RPWs): 0 5 (Wetlands adjacent to but not directly abutting RPWs): non-RPWs that flow directly or indirectly into TNWs. non-RPWs which, in combination with the tributary and other adjacent wetlands,  |
| □ TNWs: □ Wetlands adjacent to Reserved for Section III D 2  3. Non-RPWs that flow did □ Non-TNW/non-RPW we with a TNW, and is the Length (Linear Feet): Reserved for Section III D Reserved for Section III D  6. Wetlands adjacent to red wetlands adjacent to red has a significant nexus  | Acres 2 (RPWs): irectly or indirectly into TNWs. vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet): Acres: 0 4 (Wetlands directly abutting RPWs): 0 5 (Wetlands adjacent to but not directly abutting RPWs): non-RPWs that flow directly or indirectly into TNWs. non-RPWs which, in combination with the tributary and other adjacent wetlands, is with the TNW. indictional wetland (in acres):   |
| □ TNWs: □ Wetlands adjacent to Reserved for Section III D 2  3. Non-RPWs that flow dia □ Non-TNW/non-RPW we with a TNW, and is the Length (Linear Feet): Reserved for Section III D Reserved for Section III D  6. Wetlands adjacent to relate the section of the se | TNWs: Acres 2 (RPWs): irectly or indirectly into TNWs. vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet): Acres: 0 4 (Wetlands directly abutting RPWs): 0 5 (Wetlands adjacent to but not directly abutting RPWs): non-RPWs that flow directly or indirectly into TNWs. non-RPWs which, in combination with the tributary and other adjacent wetlands, is with the TNW. sdictional wetland (in acres): sdictional waters.   |
| □ TNWs: □ Wetlands adjacent to Reserved for Section III D 2  3. Non-RPWs that flow did □ Non-TNW/non-RPW we with a TNW, and is the Length (Linear Feet): Reserved for Section III D Reserved for Section III D Reserved for Section III D  6. Wetlands adjacent to replace the section of Jurise Demonstration of Jurise Demo | TNWs: Acres 2 (RPWs): irectly or indirectly into TNWs. vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet): Acres:  4 (Wetlands directly abutting RPWs): 5 (Wetlands adjacent to but not directly abutting RPWs): non-RPWs that flow directly or indirectly into TNWs. non-RPWs which, in combination with the tributary and other adjacent wetlands, is with the TNW. idictional wetland (in acres): sdictional waters. isdiction:  UDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  |
| □ TNWs: □ Wetlands adjacent to Reserved for Section III D 2  3. Non-RPWs that flow did □ Non-TNW/non-RPW we with a TNW, and is the Length (Linear Feet): Reserved for Section III D Reserved for Section III D Reserved for Section III D 6. Wetlands adjacent to result with a significant nexus Estimated size of jurise To Impoundments of jurise Demonstration of Jurise ISOLATED WATERS, INCLU   | TNWs: Acres 2 (RPWs): irectly or indirectly into TNWs. vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet): Acres:  4 (Wetlands directly abutting RPWs): 5 (Wetlands adjacent to but not directly abutting RPWs): non-RPWs that flow directly or indirectly into TNWs. non-RPWs which, in combination with the tributary and other adjacent wetlands, is with the TNW. idictional wetland (in acres): sdictional waters. isdiction:  UDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 2  |                                   |                                      |             |                  |                 |  |
|--|-----------------------------------|--------------------------------------|-------------|------------------|-----------------|--|
| As described in Section 30 possess a significant nexus   |                                   |                                      | eral draina | ge determined th | at it did not   |  |
| Explain finding of Other:  |                                   |                                      |             |                  |                 |  |
| <ul><li>Non-wetland waters</li><li>Other waters</li><li>Wetlands</li></ul>   | 1513.60                           | linear feet (ft),<br>acres<br>acres  | 8.55        | width (ft)       |                 |  |
| SECTION IV: DATA SOURCES   |                                   |                                      |             |                  |                 |  |
| <ul><li>✓ Maps, Plans, Plots or P</li><li>✓ Data Sheets Prepared/</li><li>☐ Office Concurs with</li><li>☐ Office Does Not Co</li></ul>                             | 'Submitted on be<br>n delineation | ehalf of Applicant                   | ultant: W   | estLand Resource | es, Inc.        |  |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas       |                                      |             |                  |                 |  |
| ✓ US Geological Survey N<br>Silver Reef Mount  |                                   | d Quad Name:<br>melik, and Santa R   | osa Mount   | ains NW 7.5-Min  | ute Quadrangles |  |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul>                            | entory Maps                       | oil Survey Citatio<br>Cite Map Name: | n:          |                  |                 |  |
| 100-year Floodplain El   |                                   |                                      | -           | Geodetic Vertica | Datum of 1929)  |  |
| <ul><li>✓ Aerial Photographs (</li><li>✓ Other Photographs (</li></ul>   | •                                 | ·                                    |             | th 2008          |                 |  |
| ☐ Previous Determination   | •                                 |                                      | •           |                  |                 |  |
| ☐ Applicable/Supporting  |                                   | •                                    | Letter.     |                  |                 |  |
| ☐ Applicable/Supporting  |                                   |                                      |             |                  |                 |  |
| Other Information, Ple   | ase Specify:                      |                                      |             |                  |                 |  |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>    |                            |  |                       |
|---|------------------|----------------------------|--|-----------------------|
| A. Report Completion Date for App   |                  |                            | 07/30/2012                             |                       |
| B. District Office and File No: Los   | Angeles Distric  | ct, File No. Pending       |  |                       |
| C. Project Location and Background  | d Information:   | Drainage Feature 20        | )                                      |                       |
| City, County, State Sif Oidak Dis   | trict, Tohono    | O'odham Nation, Pima       | and Pinal Counties, A                  | Arizona               |
| Center coordinates of site: Lat. 3  | 32.5073          | Long111.9100               |  |                       |
| Name of nearest waterbody: Unr  | named Wash 2     | 20                         |  |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | V: Gila River    | between Powers Butte       | and Gillespie Dam                      |                       |
| ✓ Map/Diagram of potential jurison  | dictional area   | is available on request    |  |                       |
| D. Review Performed for Site Evalu  | ation:           |                            |  |                       |
| Office Determination. Date:   |                  |                            |  |                       |
| Field Determination. Date: 05/2   | 2012             |                            |  |                       |
| SECTION II: SUMMARY OF FINDING  | GS               |                            |  |                       |
| A. RHA Section 10 Determination   | of Jurisdiction  |                            |  |                       |
| There Are No "navigable waters  | of the U.S." w   | vithin RHA jurisdiction in | n the review area.                     |                       |
| B. CWA Section 404 Determinatio   | n of Jurisdictio | on                         |  |                       |
| There Are No "waters of the   | e U.S." within   | CWA jurisdiction in the    | review area.                           |                       |
| 1. Waters of the US:  |                  |                            |  |                       |
| Linear Feet   |                  | Width (ft) and/or          | Acres                                  |                       |
| Limits of Jurisdiction based on:  |                  |                            |  |                       |
| 2. Non-Regulated Waters/Wetl ✓ Potentially jurisdictional wa                        |                  | etlands were assessed a    | and determined not                     | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a   | significant nexus with a   |  | •                     |
| SECTION III: CWA ANALYSIS   |                  |                            |  |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs       |                            |  |                       |
| 1. Identified TNW:  |                  |                            |  |                       |
| Rationale for TNW determinat  | ion:             |                            |  |                       |
| 2. Rationale for conclusion tha   | t any wetland    | s present are "adjacent'   | ·:                                     |                       |
| B. CHARACTERISTICS OF NON-TN\   | W TRIBUTARY      | AND ITS ADJACENT WE        | ΓLANDS                                 |                       |
| TNW Watershed Size (sq mi):   | 49650            | Tributaries flow           |  | 4                     |
| Drainage Area (sq mi):  | 0.00376<br>8.5   |                            | tributary to TNW:                      | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 0                |                            | tributary to RPW:  n tributary to TNW: | 30 (or more)          |
| , were be a minder one with (m).  | •                |                            | tributary to RPW:                      | 33 (3. 111012)        |
| ☐ Project waters cross or serv  |                  | ndaries. Explain:          |  |                       |

Feature ID: 20

| Identify flow route to<br>Unnamed drainages                                 |   | e Analysi                       | s Area are ı  | ultimately tribu | tary to the S | Santa Rosa W | Vash. Topography |
|---|---|---------------------------------|---------------|------------------|---------------|--------------|------------------|
| suggests the most lik<br>River.   | ely route                               | of poter                        | itial flow is | Santa Rosa W     | ash to the Sa | anta Cruz Wa | ash to the Gila  |
| Tributary is: Natural   | 1                                       | Explain:                        |               |                  |               |              |                  |
| Average Width (ft):   | 8.61                                    |                                 |               |                  |               |              |                  |
| Average Depth (ft):   | 1                                       |                                 |               |                  |               |              |                  |
|   |   |                                 |               |                  |               |              |                  |
|   |   | ompositio                       | n (check al   | l that apply):   |               |              |                  |
| Average Side Slopes:  Primary tributary sub  Silts   Sands                  | ostrate co                              | ompositio<br>Cobbles            | n (check al   | , , , ,          | el 🗌 Veg      | getation     |                  |
| Primary tributary sub  ✓ Silts □ Sands                                      | ostrate co                              | •                               | ☐ Bedro       | , , , ,          | el 🗌 Veg      | getation     |                  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                       | ostrate co<br>s   C  Muck               | Other, E                        | ☐ Bedro       | , , , ,          | el 🗆 Veg      | getation     |                  |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N  Fributary Condition/ | ostrate co                              | Cobbles<br>Other, E<br>Explain: | ☐ Bedro       | , , , ,          |               | getation     |                  |
| Primary tributary sub  ✓ Silts ☐ Sands                                      | ostrate co  Muck  Stability.  Je/Pool C | Cobbles<br>Other, E<br>Explain: | Bedro         | ock ☑ Grav       |               | getation     |                  |

| (c) Flow:                  |                       |                  |                 |               |                    |  |
|----------------------------|-----------------------|------------------|-----------------|---------------|--------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Events     | per year:     | 2-5                |  |
| Describe Flow Regime:      | Ephemeral             | Other Inf        | ormation on     | Duration an   | d Volume:          |  |
| Surface Flow is:           | Confined              | Characte         | ristics:        |               |                    |  |
| Subsurface Flow:           | No                    | Explain:         |                 |               |                    |  |
| Tributary Has:             |                       |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |                 |               |                    |  |
|                            | impressed on the bank | $\square$ $\lor$ | egetation m     | atted down,   | bent or absent     |  |
| Changes in soil changes    | •                     |                  | eaf litter dist | -             |                    |  |
| ☐ Shelving                 |                       | □ P              | resence of li   | tter and deb  | ris                |  |
| ☐ Sediment depositi        | on                    | <b>✓</b> [       | estruction o    | f terrestrial | vegetation         |  |
| Sediment sorting           |                       |                  | Abrupt chang    | e in plant co | mmunity            |  |
| ☐ Scour                    |                       |                  | ∕Iultiple obse  | rved or pred  | licted flow events |  |
| ☐ Presence of wrack        | line                  | □ <b>v</b>       | Vater stainin   | g             |                    |  |
| Other (list):              |                       |                  |                 |               |                    |  |
| ☐ Discontinuous? Ex        | xplain:               |                  |                 |               |                    |  |
| (iii) Chemical Characteris | stics:                |                  |                 |               |                    |  |
| •                          |                       |                  |                 |               |                    |  |
| Characterize Tributa       |                       |                  |                 |               |                    |  |
| Identify Specific Poll     | utants, if known:     |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |

| Feature ID: 20  |                  |
|---|------------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                             |                  |
| Riparian Corridor Characteristics:  |                  |
| ☐ Wetland Fringe Characteristics:   |                  |
| Habitat for:  |                  |
| ☐ Federally Listed Species Explain:   |                  |
| ☐ Fish/Spawn Areas Explain:   |                  |
| ☐ Other environmentally -sensitive species Explain:   |                  |
| ☐ Aquatic/Wildlife diversity Explain:   |                  |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW          |                  |
| (i) Physical Characteristics:   |                  |
| Wetland Size (ac): Wetland Type, Explain:   |                  |
| Wetland Quality, Explain:   |                  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |                  |
| Wetland Flow is: Explain:   |                  |
| Surface Flow is: Characteristics:   |                  |
| Subsurface Flow: Explain Findings:  |                  |
| ☐ Wetland Directly Abutting Non-TNW   |                  |
| ☐ Wetland Not Directly Abutting Non-TNW   |                  |
| ☐ Discrete wetland hydrologic connection Explain:   |                  |
| ☐ Ecological connection Explain:  |                  |
| ☐ Separated by berm/barrier Explain:  |                  |
| Project Wetlands: River Miles from TNW:   |                  |
| Project Wetlands: Aerial Miles from TNW:  |                  |
| Flow is From:   |                  |
| Approximate Location of Wetland within Floodplain:  |                  |
| (ii) Chemical Characteristics:  |                  |
| Characterize Wetland System:  |                  |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                            |                  |
|   |                  |
| ☐ Riparian Buffer Explain: ☐ Vegetation type/percent cover. Explain:                                  |                  |
| Habitat for:  |                  |
| Federally Listed Species Explain:   |                  |
| ☐ Fish/Spawn Areas Explain:   |                  |
| ☐ Other environmentally-sensitive species Explain:  |                  |
| ☐ Aquatic/Wildlife Diversity Explain:   |                  |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                         |                  |
|   |                  |
| All wetland(s) considered in cumulative analysis:   |                  |
| Wetland acres in total being considered in cumulative analysis:                                       | ****             |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or phys | ical functions): |
|   |                  |
|   |                  |

| SIGNIFICANT NEXUS DETERMINATION  |  |
|--|--|
| 1. Significant nexus findings for non-RPW that into TNW. Explain:  | has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gillespie Dam. An ardischarges, in combination with the geomorpho downstream manmade impoundment (Tat Monpossibility of a hydrologic connection between toritical habitats were identified within the Analy does not provide lifecycle support functions, nudrainage does not have more than a speculative  | ore than 100 river miles from the nearest TNW, the Gila River nalysis of peak yearly discharges and potential flood ology of the Analysis Area, the presence of a significant molikot Dam), and the distance to the TNW, suggests that the this drainage and the TNW is tenuous. No pollutants or yesis Area. Additionally, this unnamed ephemeral drainage strients, or organic carbon to species within the TNW. This e or insubstantial effect on the physical, chemical, and/or unnamed ephemeral drainage does not possess a significant ween Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for non-RPW and i or indirectly into TNW. Explain:   | its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for wetlands adjace Explain:   | cent to an RPW but that do not directly abut the RPW.  |
|  |  |
| DETERMINATIONS OF JURISDICTIONAL FINDIN  | GS. THE SUBJECT WATERS/WETLANDS ARE  |
| 1. TNWs and Adjacent Wetlands  |  |
| ☐ TNWs: Linear Feet  | Width (ft), Or, Acres  |
| Wetlands adjacent to TNWs:   | cres   |
| Described for Costion III D 2 (DDWs).  |  |
| Reserved for Section III D 2 (RPWs):   |  |
| 3. Non-RPWs that flow directly or indirectly in  | to TNWs.   |
| 3. Non-RPWs that flow directly or indirectly in  | to TNWs.  directly or indirectly into a TNW and has a signficant nexus   |
| 3. Non-RPWs that flow directly or indirectly in ☐ Non-TNW/non-RPW waterbody that flows d   | directly or indirectly into a TNW and has a signficant nexus   |
| 3. Non-RPWs that flow directly or indirectly into Non-TNW/non-RPW waterbody that flows dwith a TNW, and is therfore jurisdictional.  | directly or indirectly into a TNW and has a signficant nexus  (feet): Acres:   |
| 3. Non-RPWs that flow directly or indirectly into Non-TNW/non-RPW waterbody that flows d with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width  | directly or indirectly into a TNW and has a signficant nexus  (feet): Acres: abutting RPWs):   |
| 3. Non-RPWs that flow directly or indirectly into Non-TNW/non-RPW waterbody that flows dwith a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width  Reserved for Section III D 4 (Wetlands directly and the section of th | directly or indirectly into a TNW and has a signficant nexus  (feet): Acres: abutting RPWs):  t to but not directly abutting RPWs):  |
| 3. Non-RPWs that flow directly or indirectly into Mon-TNW/non-RPW waterbody that flows dwith a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width  Reserved for Section III D 4 (Wetlands directly Reserved for Section III D 5 (Wetlands adjacent 6. Wetlands adjacent to non-RPWs that flow of the section III D 5 (Wetlands adjacent to non-RPWs that flow of the section III D 5 (Wetlands adjacent to non-RPWs that flow of the section III D 5 (Wetlands adjacent to non-RPWs that flow of the section III D 5 (Wetlands adjacent to non-RPWs that flow of the section III D 5 (Wetlands adjacent to non-RPWs that flow of the section III D 5 (Wetlands adjacent to non-RPWs that flow of the section III D 5 (Wetlands adjacent to non-RPWs that flow of the section III D 5 (Wetlands adjacent to non-RPWs that flow of the section III D 5 (Wetlands adjacent to non-RPWs that flow of the section III D 5 (Wetlands adjacent to non-RPWs that flow of the section III D 5 (Wetlands adjacent to non-RPWs that flow of the section III D 5 (Wetlands adjacent to non-RPWs that flow of the section III D 5 (Wetlands adjacent to non-RPWs that flow of the section III D 5 (Wetlands adjacent to non-RPWs that flow of the section III D 5 (Wetlands adjacent to non-RPWs that flow of the section III D 5 (Wetlands adjacent to non-RPWs that flow of the section III D 5 (Wetlands adjacent to non-RPWs that flow of the section III D 5 (Wetlands adjacent to non-RPWs that II D 5 (Wetlands adjacent to non-RPWs t | directly or indirectly into a TNW and has a signficant nexus  (feet): Acres: abutting RPWs): t to but not directly abutting RPWs):   |
| 3. Non-RPWs that flow directly or indirectly into   ☐ Non-TNW/non-RPW waterbody that flows do with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width   Reserved for Section III D 4 (Wetlands directly a  Reserved for Section III D 5 (Wetlands adjacent   6. Wetlands adjacent to non-RPWs that flow of  ☐ Wetland adjacent to non-RPWs which, in co   | directly or indirectly into a TNW and has a signficant nexus  (feet): Acres: abutting RPWs): t to but not directly abutting RPWs): directly or indirectly into TNWs. combination with the tributary and other adjacent wetlands,   |
| 3. Non-RPWs that flow directly or indirectly into Mon-TNW/non-RPW waterbody that flows dwith a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width  Reserved for Section III D 4 (Wetlands directly a Reserved for Section III D 5 (Wetlands adjacent 6. Wetlands adjacent to non-RPWs that flow of Wetland adjacent to non-RPWs which, in contact a significant nexus with the TNW.   | directly or indirectly into a TNW and has a signficant nexus  (feet): Acres: abutting RPWs): t to but not directly abutting RPWs): directly or indirectly into TNWs. combination with the tributary and other adjacent wetlands,   |
| 3. Non-RPWs that flow directly or indirectly into Non-TNW/non-RPW waterbody that flows dwith a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width  Reserved for Section III D 4 (Wetlands directly a Reserved for Section III D 5 (Wetlands adjacent G. Wetlands adjacent to non-RPWs that flow Good Wetland adjacent to non-RPWs which, in contact has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in a significant nexus with the TNW).  | directly or indirectly into a TNW and has a signficant nexus  (feet): Acres: abutting RPWs): t to but not directly abutting RPWs): directly or indirectly into TNWs. combination with the tributary and other adjacent wetlands,   |
| 3. Non-RPWs that flow directly or indirectly into Non-TNW/non-RPW waterbody that flows dwith a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width Reserved for Section III D 4 (Wetlands directly Reserved for Section III D 5 (Wetlands adjacent 6. Wetlands adjacent to non-RPWs that flow contact a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in a contact and the contact and the contact and the transport of the contact and the  | directly or indirectly into a TNW and has a signficant nexus  (feet): Acres: abutting RPWs): t to but not directly abutting RPWs): directly or indirectly into TNWs. combination with the tributary and other adjacent wetlands,   |
| <ul> <li>3. Non-RPWs that flow directly or indirectly into Non-TNW/non-RPW waterbody that flows dwith a TNW, and is therfore jurisdictional. Length (Linear Feet): Width Reserved for Section III D 4 (Wetlands directly Reserved for Section III D 5 (Wetlands adjacent 6. Wetlands adjacent to non-RPWs that flow 6. Wetland adjacent to non-RPWs which, in contast a significant nexus with the TNW. Estimated size of jurisdictional wetland (in a 7. Impoundments of jurisdictional waters. Demonstration of Jurisdiction:</li> <li>ISOLATED WATERS, INCLUDING ISOLATED WET</li> </ul>  | directly or indirectly into a TNW and has a signficant nexus  (feet): Acres: abutting RPWs):  t to but not directly abutting RPWs):  directly or indirectly into TNWs.  combination with the tributary and other adjacent wetlands,  acres):   |
| <ul> <li>3. Non-RPWs that flow directly or indirectly into Non-TNW/non-RPW waterbody that flows dwith a TNW, and is therfore jurisdictional. Length (Linear Feet): Width Reserved for Section III D 4 (Wetlands directly Reserved for Section III D 5 (Wetlands adjacent 6. Wetlands adjacent to non-RPWs that flow 6. Wetland adjacent to non-RPWs which, in contast a significant nexus with the TNW. Estimated size of jurisdictional wetland (in a 7. Impoundments of jurisdictional waters. Demonstration of Jurisdiction:</li> <li>ISOLATED WATERS, INCLUDING ISOLATED WET</li> </ul>  | directly or indirectly into a TNW and has a signficant nexus  (feet): Acres: abutting RPWs):  t to but not directly abutting RPWs):  directly or indirectly into TNWs.  combination with the tributary and other adjacent wetlands,  acres):   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 20   |  |                    |                      |                 |
|--|--|--------------------|----------------------|-----------------|
| As described in Section 30 possess a significant nexus   | 1 above, an analysis of this with the nearest TNW.     | ephemeral draii    | nage determined th   | at it did not   |
| Explain finding of Other:  |  |                    |                      |                 |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 12163.95 linear feet<br>acres<br>acres                 | t (ft), 8.6        | 1 width (ft)         |                 |
| SECTION IV: DATA SOURCES   |  |                    |                      |                 |
| <ul><li>✓ Data Sheets Prepared/</li><li>☐ Office Concurs with</li><li>☐ Office Does Not Co</li></ul>   | ncur with delineation                                  |                    | WestLand Resource    | s, Inc.         |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | Study<br>lydrologic Atlas                              |                    |                      |                 |
|  | Map(s) Scale and Quad Na<br>ins SE, North Komelik, and |                    | ıntains NW 7.5-Min   | ute Quadrangles |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul>                            | ·  | Citation:<br>Name: |                      |                 |
| ☐ 100-year Floodplain El   | evation is:  | (Nation            | al Geodetic Vertical | Datum of 1929)  |
|  | Name and Date): BING, Mi                               | icrosoft Virtual E | arth 2008            |                 |
| Other Photographs (  | Name and Date): Ground F                               | Photos; May 201    | 2                    |                 |
| <ul><li>□ Previous Determinatio</li><li>□ Applicable/Supporting</li><li>□ Applicable/Supporting</li></ul>  |  | esponse Letter:    |                      |                 |
| Other Information, Ple   |  | tioll.             |                      |                 |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>     |                 |                                       |                  |                       |
|---|-------------------|-----------------|---------------------------------------|------------------|-----------------------|
| A. Report Completion Date for App   | roved Jurisdict   | tional Determ   | ination: 07/3                         | 30/2012          |                       |
| B. District Office and File No: Los   | Angeles Distric   | t, File No. Pei | nding                                 |                  |                       |
| C. Project Location and Background  | d Information:    | Drainage F      | eature 20A                            |                  |                       |
| City, County, State Sif Oidak Dis   | strict, Tohono (  | O'odham Nati    | on, Pima and P                        | inal Counties, A | Arizona               |
| Center coordinates of site: Lat.  | 32.5073           | Long.           | -111.9100                             |                  |                       |
| Name of nearest waterbody: Un   | named Wash 2      | 0A              |                                       |                  |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                  | W: Gila River     | between Pow     | ers Butte and G                       | Gillespie Dam    |                       |
| ✓ Map/Diagram of potential juris  | dictional area i  | s available on  | request                               |                  |                       |
| D. Review Performed for Site Evalu  | ation:            |                 |                                       |                  |                       |
| Office Determination. Date:   |                   |                 |                                       |                  |                       |
| Field Determination. Date: 05/2   | 2012              |                 |                                       |                  |                       |
| SECTION II: SUMMARY OF FINDIN   | GS                |                 |                                       |                  |                       |
| A. RHA Section 10 Determination   |                   |                 |                                       |                  |                       |
| There Are No "navigable waters  | s of the U.S." w  | vithin RHA juri | sdiction in the                       | review area.     |                       |
| B. CWA Section 404 Determination  | on of Jurisdictio | n               |                                       |                  |                       |
| There Are No "waters of the   | ne U.S." within   | CWA jurisdict   | ion in the revie                      | w area.          |                       |
| 1. Waters of the US:  |                   |                 |                                       |                  |                       |
| Linear Feet   |                   | Width (ft) ar   | nd/or                                 | Acres            |                       |
| Limits of Jurisdiction based on:  |                   |                 |                                       |                  |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                   | atlands were    | h hns hassassa                        | etermined not    | to he jurisdictional: |
| , ,   |                   |                 |                                       |                  |                       |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne   | it possessed a    | significant ne  | xus with a dow                        | •                | •                     |
| SECTION III: CWA ANALYSIS   |                   |                 |                                       |                  |                       |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs       |                 |                                       |                  |                       |
| 1. Identified TNW:  |                   |                 |                                       |                  |                       |
| Rationale for TNW determinat  | ion:              |                 |                                       |                  |                       |
| 2. Rationale for conclusion tha   | it any wetlands   | s present are   | "adjacent":                           |                  |                       |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY       | AND ITS ADJA    | CENT WETLAND                          | OS               |                       |
| TNW Watershed Size (sq mi):   | 49650             |                 | ries flow to TN                       |                  | 4                     |
| Drainage Area (sq mi):  | 0.00066           |                 | Ailes from tribu                      | •                | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                           | 8.5<br>0          |                 | /liles from tribu<br>Miles from tribเ | •                | 30 (or more)          |
| Average Alliluai Siluwiali (III).   | J                 |                 | Miles from tribu                      | •                | Jo (of filore)        |
| ☐ Project waters cross or serv  | ve as state bou   |                 | plain:                                | •                |                       |

Feature ID: 20A

| •  |  | the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topograp<br>te of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|--|--|---|
| Tributary is: Natural  |  | Explain:  |
| Average Width (ft):  | 7.54   |   |
| Average Depth (ft):  | 1  |   |
|  |  |   |
| •  | strate c   | composition (check all that apply):   |
| Primary tributary sub  ✓ Silts □ Sands                                       | strate c   | composition (check all that apply):  Cobbles □ Bedrock ☑ Gravel □ Vegetation  Other, Explain:   |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                        | ostrate d  | Cobbles ☐ Bedrock ✔ Gravel ☐ Vegetation  Other, Explain:  |
| Primary tributary sub  ✓ Silts □ Sands □ Concrete □ M  Tributary Condition/S | ostrate constraints  | Cobbles ☐ Bedrock ✔ Gravel ☐ Vegetation  Other, Explain:  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/S | ostrate control of the control of th | Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  Other, Explain:  Stable  |

(c) Flow:

| Tributary Provides for:       | Ephemeral Flow        | Average    | Flow Eve   | ents per ye | ear:    | 2-5               |    |
|-------------------------------|-----------------------|------------|------------|-------------|---------|-------------------|----|
| Describe Flow Regime:         | Ephemeral             | Other Inf  | ormatio    | n on Dura   | tion ar | nd Volume:        |    |
| Surface Flow is:              | Confined              | Characte   | ristics:   |             |         |                   |    |
| Subsurface Flow:              | No                    | Explain:   |            |             |         |                   |    |
| Tributary Has:                |                       |            |            |             |         |                   |    |
| ☐ Bed and Banks               |                       |            |            |             |         |                   |    |
| ✓ OHWM: OHWM Ind              | dicators:             |            |            |             |         |                   |    |
| $\square$ Clear, natural line | impressed on the bank | □ \        | /egetatio  | on matted   | down    | bent or absent    |    |
| Changes in soil changes       | aracter               |            | eaf litte. | r disturbe  | d or wa | ashed away        |    |
| ☐ Shelving                    |                       | □ P        | resence    | of litter a | nd deb  | oris              |    |
| ☐ Sediment depositi           | on                    | <b>✓</b> [ | Destruct   | ion of terr | estrial | vegetation        |    |
| Sediment sorting              |                       |            | Abrupt c   | hange in p  | lant co | mmunity           |    |
| ☐ Scour                       |                       |            | Multiple   | observed    | or pred | dicted flow event | ts |
| ☐ Presence of wrack           | line                  | □ V        | Water st   | aining      |         |                   |    |
| Other (list):                 |                       |            |            |             |         |                   |    |
| ☐ Discontinuous? Ex           | xplain:               |            |            |             |         |                   |    |
| (iii) Chemical Characteris    | stics:                |            |            |             |         |                   |    |
| Characterize Tributa          | ry:                   |            |            |             |         |                   |    |
| Identify Specific Poll        | •                     |            |            |             |         |                   |    |
| , ,                           | ,                     |            |            |             |         |                   |    |
|                               |                       |            |            |             |         |                   |    |
|                               |                       |            |            |             |         |                   |    |
|                               |                       |            |            |             |         |                   |    |

| v) Biological Characterist   | ics. Channel supports (check all that apply):                      |
|--|--|
| $\square$ Riparian Corridor (  | Characteristics:   |
| ☐ Wetland Fringe Ch  | aracteristics:   |
| Habitat for:   |  |
| ☐ Federally Listed Spe   | ecies Explain:   |
| ☐ Fish/Spawn Areas   | Explain:   |
| •  | cally -sensitive species Explain:                                  |
| ☐ Aquatic/Wildlife div   | versity Explain:   |
|  |  |
| i) Physical Characteristics  | ands adjacent to non-TNW that flow directly or indirectly into TNW |
| Wetland Size (ac):   | Wetland Type, Explain:   |
| Wetland Quality, Expla   | ain:   |
| Project Wetlands Cros  | ss or Serve as State Boundaries, Explain:                          |
| Wetland Flow is:   | Explain:   |
| Surface Flow is:   | Characteristics:   |
| Subsurface Flow:   | Explain Findings:  |
| ☐ Wetland Directly Al  | butting Non-TNW  |
| ☐ Wetland Not Direct   | :ly Abutting Non-TNW   |
| ☐ Discrete wetland   | hydrologic connection Explain:                                     |
| ☐ Ecologcal connec   | ction Explain:   |
| $\square$ Separated by ber   | rm/barrier Explain:  |
| Project Wetlands: Rive   | er Miles from TNW:   |
| Project Wetlands: Aer  | ial Miles from TNW:  |
| Flow is From:  |  |
| Approximate Location   | of Wetland within Floodplain:                                      |
| ii) Chemical Characteristic  | cs:  |
| Characterize Wetland   | System:  |
|  |  |
| -  | tics. Wetland supports (check all that apply):                     |
| ☐ Riparian Buffer E  | ·  |
| •  | percent cover. Explain:  |
| Habitat for:   | Species Evalein.   |
| ☐ Federally Listed S☐ Fish/Spawn Area                                    |  |
| • •  | entally-sensitive species Explain:                                 |
| THE FEBRUARY AND STREET  | ,  |
|  | Diversity Explain.   |
| ☐ Aquatic/Wildlife   |  |
| ☐ Aquatic/Wildlife   | etlands adjacent to the non-TNW tributary (if any)                 |
| ☐ Aquatic/Wildlife  3. Characteristics of all we                         |  |
| ☐ Aquatic/Wildlife  3. Characteristics of all we  All wetland(s) conside | etlands adjacent to the non-TNW tributary (if any)                 |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirect into TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. The drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/o biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a signifinexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows direct or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs:  Wetlands adjacent to TNWs:  Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus processed and a significant nexus processed and the training and the distance of a significant nexus processed and potential flows directly or indirectly into a TNW and has a significant nexus processed and the company processed and potential flows directly or indirectly into a TNW and has a significant nexus flows.                  |
|--|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. The drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/c biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a signifinexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows direct or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs:  Linear Feet  Width (ft), Or,  Acres  Wetlands adjacent to TNWs:  Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus findings for the flows directly or indirectly into a TNW and has a significant nexus findings for the flows directly or indirectly into a TNW and has a significant nexus findings for the first flows directly or indirectly into a TNW and has a significant nexus findings for the first flows directly or indirectly into a TNW and has a significant nexus findings for the first flows directly or indirectly into a TNW and has a significant nexus findings for the first flows directly or indirectly into a TNW and has a sign |
| <ul> <li>3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:</li> <li>DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE</li> <li>1. TNWs and Adjacent Wetlands</li> <li>TNWs: Linear Feet Width (ft), Or, Acres</li> <li>Wetlands adjacent to TNWs: Acres</li> <li>Reserved for Section III D 2 (RPWs):</li> <li>3. Non-RPWs that flow directly or indirectly into TNWs.</li> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nex</li> </ul>   |
| Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nex  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nex   |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nex   |
| ☐ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nex  |
| with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   |
| <ul> <li>□ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlar has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> </ul>  |
| 7. Impoundments of jurisdictional waters.  |
| Demonstration of Jurisdiction:   |
| E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 20A                  |                      |                         |             |                |              |        |
|----------------------------------|----------------------|-------------------------|-------------|----------------|--------------|--------|
| As described in Section 3C       | · ·                  | ·                       | rainage de  | termined th    | at it did no | ot     |
| possess a significant nexus      | with the nearest     | TNW.                    |             |                |              |        |
| Explain finding of Other:        |                      |                         |             |                |              |        |
| ✓ Non-wetland waters             | 2447.80 li           | near feet (ft),         | 7.54 width  | (ft)           |              |        |
| $\square$ Other waters           | а                    | cres                    |             |                |              |        |
| ☐ Wetlands                       | a                    | cres                    |             |                |              |        |
| SECTION IV: DATA SOURCES         |                      |                         |             |                |              |        |
| ✓ Maps, Plans, Plots or P        | lat Submitted by     | Applicant/Consultant    | : WestLa    | nd Resource    | s. Inc.      |        |
| ✓ Data Sheets Prepared/          |                      |                         |             |                | <b>-,</b>    |        |
| $\Box$ Office Concurs with       |                      | • •                     |             |                |              |        |
| ☐ Office Does Not Co             | ncur with delineat   | ion                     |             |                |              |        |
| ☐ Data Sheets Prepared           | by the Corps         |                         |             |                |              |        |
| ☐ Corps Navigable Water          | r Study              |                         |             |                |              |        |
| $\square$ US Geological Survey F | lydrologic Atlas     |                         |             |                |              |        |
| USGS NHD Data                    |                      |                         |             |                |              |        |
| $\square$ USGS 8 and 12 digi     | t HUC Map            |                         |             |                |              |        |
| ✓ US Geological Survey N         | Лар(s) Scale and     | Quad Name:              |             |                |              |        |
| Silver Reef Mounta               | ains SE, North Kom   | nelik, and Santa Rosa I | Nountains I | NW 7.5-Min     | ute Quadr    | angles |
| ☐ USDA Nat'l Res Conser          | vation Service Soil  | Survey Citation:        |             |                |              |        |
| ☐ National Wetlands Inve         |                      | te Map Name:            |             |                |              |        |
| ☐ State/Local Wetland In         |                      | •                       |             |                |              |        |
| ☐ FEMA/FIR Maps                  |                      |                         |             |                |              |        |
| ☐ 100-year Floodplain El         | evation is:          | (Nat                    | ional Geod  | letic Vertical | Datum of     | 1929)  |
| Aerial Photographs (I            | Name and Date):      | BING, Microsoft Virtu   | al Earth 20 | 08             |              |        |
| Other Photographs (I             | Name and Date):      | Ground Photos; May      | 2012        |                |              |        |
| $\square$ Previous Determinatio  | ns File No. and [    | Date of Response Lette  | er:         |                |              |        |
| $\square$ Applicable/Supporting  | Case Law Citatio     | on:                     |             |                |              |        |
| $\square$ Applicable/Supporting  | Scientific Literatur | re Citation:            |             |                |              |        |
| Other Information, Ple           | ase Specify:         |                         |             |                |              |        |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION  |                                      |
|--|--------------------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07  | /30/2012                             |
| B. District Office and File No: Los Angeles District, File No. Pending   |                                      |
| C. Project Location and Background Information: Drainage Feature 20B   |                                      |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and  | Pinal Counties, Arizona              |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                                      |
| Name of nearest waterbody: Unnamed Wash 20B  |                                      |
| Name of nearest downstream TNW: Gila River between Powers Butte and  | Gillespie Dam                        |
| HUC Code: 15050306   |                                      |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                                      |
| D. Review Performed for Site Evaluation:   |                                      |
| Office Determination. Date:  |                                      |
| Field Determination. Date: 05/2012   |                                      |
| SECTION II: SUMMARY OF FINDINGS  |                                      |
| A. RHA Section 10 Determination of Jurisdiction  |                                      |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the   | e review area.                       |
| B. CWA Section 404 Determination of Jurisdiction   |                                      |
| There Are No "waters of the U.S." within CWA jurisdiction in the rev   | iew area.                            |
| 1. Waters of the US:   |                                      |
| Linear Feet Width (ft) and/or  | Acres                                |
| Limits of Jurisdiction based on:   |                                      |
| 2. Non-Regulated Waters/Wetlands:  |                                      |
| ✓ Potentially jurisdictional waters and/or wetlands were assessed and  | determined not to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. There considered jurisdictional if it possessed a significant nexus with a do not possess a significant nexus with the downstream TNW. |                                      |
|  |                                      |
| SECTION III: CWA ANALYSIS  |                                      |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                                      |
| 1. Identified TNW:   |                                      |
| Rationale for TNW determination:   |                                      |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                                      |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLAI  | NDS                                  |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to T  | NW: 4                                |
| Drainage Area (sq mi): 0.00296 River Miles from trib   |                                      |
| Average Annual Rainfall (in): 8.5 River Miles from trib  | •                                    |
| Average Annual Snowfall (in): 0 Aerial Miles from tri  | •                                    |
| ☐ Project waters cross or serve as state boundaries. Explain:  | ,                                    |

Feature ID: 20B

| Unnamed drainages v<br>suggests the most like<br>River. |                              | -                                 |                                       | •                   | •        |      |  |
|---|------------------------------|-----------------------------------|---------------------------------------|---------------------|----------|------|--|
| Tributary is: Natural                                   |                              | Explain:                          |                                       |                     |          |      |  |
| Average Width (ft):                                     | 13.69                        |                                   |                                       |                     |          |      |  |
| Average Depth (ft):                                     | 1                            |                                   |                                       |                     |          |      |  |
| Average Side Slopes:                                    | 2:1                          |                                   |                                       |                     |          |      |  |
| Primary tributary sub                                   | strate                       | compositic                        | n (check all tha                      | t apply):           |          |      |  |
| ✓ Silts □ Sands   |                              | compositic<br>Cobbles<br>Other, E | ☐ Bedrock                             | t apply):  ✓ Gravel | □ Vegeta | tion |  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ N                          | /<br>/luck                   | Cobbles<br>Other, E               | ☐ Bedrock                             |                     | □ Vegeta | tion |  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M Tributary Condition/S    | ☐<br>⁄luck<br>Stability      | Cobbles Other, E                  | ☐ Bedrock  xplain:  Stable            |                     | □ Vegeta | tion |  |
| ✓ Silts □ Sands   | //uck<br>Stability<br>e/Pool | Cobbles Other, E                  | Bedrock  xplain:  Stable  Explain: No | ✓ Gravel            | □ Vegeta | tion |  |

| (c) Flow:                       |                      |              |           |              |            |                 |  |
|---------------------------------|----------------------|--------------|-----------|--------------|------------|-----------------|--|
| Tributary Provides for:         | Ephemeral Flow       | Average      | Flow Eve  | ents per ye  | ar:        | 2-5             |  |
| Describe Flow Regime:           | Ephemeral            | Other Inf    | ormatic   | n on Durat   | ion and    | Volume:         |  |
| Surface Flow is:                | Confined             | Characte     | ristics:  |              |            |                 |  |
| Subsurface Flow:                | No                   | Explain:     |           |              |            |                 |  |
| Tributary Has:                  |                      |              |           |              |            |                 |  |
| $\square$ Bed and Banks         |                      |              |           |              |            |                 |  |
| ✓ OHWM: OHWM Inc                | licators:            |              |           |              |            |                 |  |
| $\square$ Clear, natural line i | mpressed on the bank | : □ <b>ν</b> | egetati   | on matted    | down, b    | ent or absent   |  |
| Changes in soil cha             | racter               |              | eaf litte | r disturbed  | or wasl    | ned away        |  |
| ☐ Shelving                      |                      | □ P          | resence   | of litter a  | nd debri   | s               |  |
| ☐ Sediment deposition           | on                   | ✓ [          | estruct   | ion of terre | estrial ve | getation        |  |
| Sediment sorting                |                      |              | brupt c   | hange in pl  | ant com    | munity          |  |
| ☐ Scour                         |                      |              | ∕lultiple | observed o   | or predic  | ted flow events |  |
| ☐ Presence of wrack             | line                 | □ V          | Vater st  | aining       |            |                 |  |
| Other (list):                   |                      |              |           |              |            |                 |  |
| ☐ Discontinuous? Ex             | plain:               |              |           |              |            |                 |  |
| (iii) Chemical Characteris      | tics:                |              |           |              |            |                 |  |
| Characterize Tributar           | γ:                   |              |           |              |            |                 |  |
| Identify Specific Pollu         |                      |              |           |              |            |                 |  |
| <br>                            |                      |              |           |              |            |                 |  |
|                                 |                      |              |           |              |            |                 |  |
|                                 |                      |              |           |              |            |                 |  |
|                                 |                      |              |           |              |            |                 |  |

| Feature ID: 20B  |   |
|--|---|
| (iv) Biological Characteristics. Channel supports (check all the                               | nat apply):   |
| Riparian Corridor Characteristics:   |   |
| ☐ Wetland Fringe Characteristics:  |   |
| Habitat for:   |   |
| ☐ Federally Listed Species Explain:  |   |
| ☐ Fish/Spawn Areas Explain:  |   |
| ☐ Other environmentally -sensitive species Explain:  |   |
| $\square$ Aquatic/Wildlife diversity Explain:  |   |
| 2. Characteristics of wetlands adjacent to non-TNW that flo                                    | nw directly or indirectly into TNW                          |
| (i) Physical Characteristics:  | w directly of maneetly into 1111                            |
| Wetland Size (ac): Wetland Type, E   | xplain:   |
| Wetland Quality, Explain:  |   |
| Project Wetlands Cross or Serve as State Boundaries, Ex  | plain:  |
| Wetland Flow is: Explain:  |   |
| Surface Flow is: Characteristics:  |   |
| Subsurface Flow: Explain Findings:   |   |
| ☐ Wetland Directly Abutting Non-TNW  |   |
| ☐ Wetland Not Directly Abutting Non-TNW  |   |
| ☐ Discrete wetland hydrologic connection Explain:  |   |
| ☐ Ecologcal connection Explain:  |   |
| ☐ Separated by berm/barrier Explain:   |   |
| Project Wetlands: River Miles from TNW:  |   |
| Project Wetlands: Aerial Miles from TNW:   |   |
| Flow is From:  |   |
| Approximate Location of Wetland within Floodplain:   |   |
| (ii) Chemical Characteristics:   |   |
| Characterize Wetland System:   |   |
| (iii) Biological Characteristics. Wetland supports (check all t                                | hat apply):   |
|  | пас арргуу.   |
| <ul><li>☐ Riparian Buffer Explain:</li><li>☐ Vegetation type/percent cover. Explain:</li></ul> |   |
| Habitat for:   |   |
| Federally Listed Species Explain:  |   |
| ☐ Fish/Spawn Areas Explain:  |   |
| ☐ Other environmentally-sensitive species Explain  | :   |
| ☐ Aquatic/Wildlife Diversity Explain:  |   |
| 3. Characteristics of all wetlands adjacent to the non-TNW                                     | tributary (if any)  |
|  | tributary (ii arry)   |
| All wetland(s) considered in cumulative analysis:  |   |
| Wetland acres in total being considered in cumulative a  |   |
| Describe each wetland (directly abuts tributary?; size in                                      | acres; overall biological, chemical or physical functions): |
|  |   |
|  |   |

| into TNW. Explain:  This unnamed ephemeral drainage is located between Powers Butte and Gillespie Dam. discharges, in combination with the geom downstream manmade impoundment (Talpossibility of a hydrologic connection between the possibility of a hydrologic connection between the possibility of a hydrologic connection between the provide lifecycle support functions drainage does not have more than a speculiar biological integrity of the TNW. Therefore, | ted more than 100 river miles from the nearest TNW, the Gila River. An analysis of peak yearly discharges and potential flood orphology of the Analysis Area, the presence of a significant t Momolikot Dam), and the distance to the TNW, suggests that the ween this drainage and the TNW is tenuous. No pollutants or Analysis Area. Additionally, this unnamed ephemeral drainage ns, nutrients, or organic carbon to species within the TNW. This ulative or insubstantial effect on the physical, chemical, and/or |
|--|--|
| between Powers Butte and Gillespie Dam. discharges, in combination with the geom downstream manmade impoundment (Ta possibility of a hydrologic connection between titical habitats were identified within the does not provide lifecycle support function drainage does not have more than a speculiological integrity of the TNW. Therefore,   | An analysis of peak yearly discharges and potential flood orphology of the Analysis Area, the presence of a significant t Momolikot Dam), and the distance to the TNW, suggests that the ween this drainage and the TNW is tenuous. No pollutants or Analysis Area. Additionally, this unnamed ephemeral drainage ns, nutrients, or organic carbon to species within the TNW. This   |
|  | , this unnamed ephemeral drainage does not possess a significant or between Powers Butte and Gillespie Dam.  |
| 2. Significant nexus findings for non-RPW or indirectly into TNW. Explain:   | and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for wetlands<br>Explain:   | adjacent to an RPW but that do not directly abut the RPW.  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):   | Width (ft), Or, Acres  |
|  | athy into TRIMA  |
| with a TNW, and is therfore jurisdiction   | ows directly or indirectly into a TNW and has a signficant nexus   |
| Reserved for Section III D 4 (Wetlands dir   |  |
| ·  | jacent to but not directly abutting RPWs):   |
| 6. Wetlands adjacent to non-RPWs that  | flow directly or indirectly into TNWs.   |
| <ul> <li>Wetland adjacent to non-RPWs which<br/>has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetlan</li> </ul>  |  |
| 7. Impoundments of jurisdictional water  |  |
| Demonstration of Jurisdiction:   |  |
| E. ISOLATED WATERS, INCLUDING ISOLATED WHICH COULD AFFECT INTERSTATE COMMI   | D WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF ERCE  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| As described in Section 3C1 a     | above, an analysis of | f this epheme | eral drainag | ge determined that   | it did not                              |
|-----------------------------------|-----------------------|---------------|--------------|----------------------|---|
| possess a significant nexus w     | ith the nearest TNV   | ٧.            |              |                      |   |
| Explain finding of Other:         |                       |               |              |                      |   |
| ✓ Non-wetland waters              | 6024.58 linear        | feet (ft),    | 13.69 v      | vidth (ft)           |   |
| ☐ Other waters                    | acres                 | , ,,          |              | ` ,                  |   |
| ☐ Wetlands                        | acres                 |               |              |                      |   |
|                                   |                       |               |              |                      |   |
| SECTION IV: DATA SOURCES          |                       |               |              |                      |   |
| ✓ Maps, Plans, Plots or Plat      |                       |               | ıltant: We   | estLand Resources,   | Inc.                                    |
| ✓ Data Sheets Prepared/Su         |                       | f Applicant   |              |                      |   |
| Office Concurs with d             |                       |               |              |                      |   |
| ☐ Office Does Not Conc            | ur with delineation   |               |              |                      |   |
| $\square$ Data Sheets Prepared by | the Corps             |               |              |                      |   |
| Corps Navigable Water S           | •                     |               |              |                      |   |
| □ US Geological Survey Hyd        | Irologic Atlas        |               |              |                      |   |
| USGS NHD Data                     |                       |               |              |                      |   |
| $\square$ USGS 8 and 12 digit F   | łUC Map               |               |              |                      |   |
| ✓ US Geological Survey Ma         | n(s) Scale and Qua    | d Name:       |              |                      |   |
| Silver Reef Mountain              |                       |               | osa Mount    | ains NW 7.5-Minute   | e Quadrangles                           |
|                                   |                       |               |              |                      | 7 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 |
| USDA Nat'l Res Conserva           |                       |               | n:           |                      |   |
| ☐ National Wetlands Inven         |                       | lap Name:     |              |                      |   |
| State/Local Wetland Inve          | ntory Maps            |               |              |                      |   |
| ☐ FEMA/FIR Maps                   |                       |               |              |                      |   |
| 100-year Floodplain Eleva         |                       |               | •            | Geodetic Vertical Da | atum of 1929)                           |
| Aerial Photographs (Na            | · ·                   |               |              | th 2008              |   |
| Other Photographs (Na             | me and Date): Gro     | und Photos; I | May 2012     |                      |   |
| Previous Determinations           |                       | of Response   | Letter:      |                      |   |
| Applicable/Supporting Ca          |                       |               |              |                      |   |
| ☐ Applicable/Supporting Sc        | ientific Literature   | Citation:     |              |                      |   |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM                                 | <u>MATION</u>   |   |             |                       |
|--|-----------------|---|-------------|-----------------------|
| A. Report Completion Date for App                            | oroved Jurisdic | tional Determination: 07/30/2   | 012         |                       |
| B. District Office and File No: Los                          |                 |   |             |                       |
| C. Project Location and Background                           | d Information:  | Drainage Feature 20B1   |             |                       |
| City, County, State Sif Oidak Dis                            | strict, Tohono  | O'odham Nation, Pima and Pinal  | Counties, A | Arizona               |
| Center coordinates of site: Lat.                             | 32.5073         | Long111.9100  |             |                       |
| Name of nearest waterbody: Un                                | named Wash 2    | 20B1  |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306         | W: Gila River   | between Powers Butte and Gilles   | spie Dam    |                       |
| ✓ Map/Diagram of potential juris                             | dictional area  | is available on request   |             |                       |
| D. Review Performed for Site Evalu                           | lation:         |   |             |                       |
| Office Determination. Date:                                  |                 |   |             |                       |
| Field Determination. Date: 05/2                              | 2012            |   |             |                       |
|  |                 |   |             |                       |
| SECTION II: SUMMARY OF FINDING                               |                 |   |             |                       |
| A. RHA Section 10 Determination                              |                 |   | oroo        |                       |
| _  |                 | vithin RHA jurisdiction in the revi   | ew area.    |                       |
| B. CWA Section 404 Determination                             |                 |   |             |                       |
|  | ie o.s. within  | CWA jurisdiction in the review a  | ea.         |                       |
| 1. Waters of the US:   |                 | Middle (fe) and fan   | A           |                       |
| Linear Feet  |                 | Width (ft) and/or   | Acres       |                       |
| Limits of Jurisdiction based on:                             |                 |   |             |                       |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa |                 | etlands were assessed and deter   | mined not   | to be jurisdictional: |
|  | it possessed a  | lify as a TNW or RPW. Therefore, significant nexus with a downstrodownstream TNW. |             | •                     |
| SECTION III: CWA ANALYSIS                                    |                 |   |             |                       |
| A. TNWs AND WETLANDS ADJACE                                  | ENT TO TNWs     |   |             |                       |
| 1. Identified TNW:   |                 |   |             |                       |
| Rationale for TNW determinat                                 | tion:           |   |             |                       |
| 2. Rationale for conclusion tha                              | nt any wetland  | s present are "adjacent":   |             |                       |
| B. CHARACTERISTICS OF NON-TN                                 | A/ TDIDI ITA DV | AND ITS ADJACENT WET ANDS   |             |                       |
| TNW Watershed Size (sq mi):                                  | 49650           | Tributaries flow to TNW:  |             | 4                     |
| Drainage Area (sq mi):                                       | 0.00138         | River Miles from tributary  | to TNW:     | 30 (or more)          |
| Average Annual Rainfall (in):                                | 8.5             | River Miles from tributary  |             | ·                     |
| Average Annual Snowfall (in):                                | 0               | Aerial Miles from tributary<br>Aerial Miles from tributary                        |             | 30 (or more)          |
| ☐ Project waters cross or serv                               | ve as state bou |   |             |                       |

Feature ID: 20B1

| Identify flow route to   | TNW:  |
|--|---|
| _  | vithin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography<br>ely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural  | Explain:  |
| Average Width (ft):  | 12.67   |
| Average Depth (ft):  | 1   |
|  |   |
|  |   |
| ✓ Silts ☐ Sands  | 2:1  strate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  fluck Other, Explain:   |
| Primary tributary sub  Silts Sands   | strate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ✔ Gravel ☐ Vegetation  fluck Other, Explain:  |
| Primary tributary sub  ✓ Silts □ Sands □ Concrete □ N  ─ributary Condition/S | strate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ✔ Gravel ☐ Vegetation  fluck Other, Explain:  |
| Primary tributary sub  ✓ Silts □ Sands □ Concrete □ N  Tributary Condition/S | strate composition (check all that apply):  Cobbles Bedrock Gravel Vegetation  luck Other, Explain:  tability. Explain: Stable  |

| (c) Flow:                  |                      |            |           |              |            |                  |  |
|----------------------------|----------------------|------------|-----------|--------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow       | Average    | Flow Eve  | ents per ye  | ar:        | 2-5              |  |
| Describe Flow Regime:      | Ephemeral            | Other Inf  | ormatio   | n on Dura    | tion and   | Volume:          |  |
| Surface Flow is:           | Confined             | Characte   | ristics:  |              |            |                  |  |
| Subsurface Flow:           | No                   | Explain:   |           |              |            |                  |  |
| Tributary Has:             |                      |            |           |              |            |                  |  |
| ☐ Bed and Banks            |                      |            |           |              |            |                  |  |
| ✓ OHWM: OHWM Inc           | licators:            |            |           |              |            |                  |  |
| ☐ Clear, natural line i    | mpressed on the bank | :          | /egetatio | on matted    | down, b    | ent or absent    |  |
| Changes in soil cha        | racter               |            | eaf litte | r disturbed  | or was     | hed away         |  |
| ☐ Shelving                 |                      | □ F        | resence   | of litter a  | nd debri   | S                |  |
| Sediment deposition        | on                   | <b>~</b> [ | Destruct  | ion of terre | estrial ve | egetation        |  |
| ✓ Sediment sorting         |                      |            | Abrupt c  | hange in p   | lant com   | nmunity          |  |
| ☐ Scour                    |                      |            | ∕Iultiple | observed     | or predic  | cted flow events |  |
| ☐ Presence of wrack        | line                 | □ <b>\</b> | Vater st  | aining       |            |                  |  |
| Other (list):              |                      |            |           |              |            |                  |  |
| ☐ Discontinuous? Ex        | plain:               |            |           |              |            |                  |  |
| (iii) Chemical Characteris | tics:                |            |           |              |            |                  |  |
| Characterize Tributar      | ry:                  |            |           |              |            |                  |  |
| Identify Specific Pollu    | utants, if known:    |            |           |              |            |                  |  |
|                            |                      |            |           |              |            |                  |  |
|                            |                      |            |           |              |            |                  |  |
|                            |                      |            |           |              |            |                  |  |
|                            |                      |            |           |              |            |                  |  |

| (iv) Biological Characteristics. Channel supports (check all that apply):  Riparian Corridor Characteristics:      |                        |
|--|------------------------|
| ☐ Riparian Corridor Characteristics:   |                        |
|  |                        |
| ☐ Wetland Fringe Characteristics:  |                        |
| Habitat for:   |                        |
| ☐ Federally Listed Species Explain:  |                        |
| ☐ Fish/Spawn Areas Explain:  |                        |
| ☐ Other environmentally -sensitive species Explain:  |                        |
| ☐ Aquatic/Wildlife diversity Explain:  |                        |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly o  | or indirectly into TNW |
| (i) Physical Characteristics:  | indirectly into TNW    |
| Wetland Size (ac): Wetland Type, Explain:  |                        |
| Wetland Quality, Explain:  |                        |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |                        |
| Wetland Flow is: Explain:  |                        |
| Surface Flow is: Characteristics:  |                        |
| Subsurface Flow: Explain Findings:   |                        |
| <ul> <li>□ Wetland Directly Abutting Non-TNW</li> <li>□ Wetland Not Directly Abutting Non-TNW</li> </ul>           |                        |
| ☐ Discrete wetland hydrologic connection Explain:  |                        |
| Ecological connection  |                        |
| ☐ Separated by berm/barrier Explain:  Project Wetlands: River Miles from TNW:                                      |                        |
| Project Wetlands: Aerial Miles from TNW:   |                        |
| Flow is From:  |                        |
| Approximate Location of Wetland within Floodplain:   |                        |
| (ii) Chemical Characteristics:   |                        |
| Characterize Wetland System:   |                        |
|  |                        |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |                        |
| Riparian Buffer Explain:   |                        |
| ☐ Vegetation type/percent cover. Explain:  |                        |
| Habitat for:   |                        |
| ☐ Federally Listed Species Explain:  |                        |
| Fish/Spawn Areas Explain:  Other environmentally consistive energies. Explain:                                     |                        |
| <ul><li>☐ Other environmentally-sensitive species Explain:</li><li>☐ Aquatic/Wildlife Diversity Explain:</li></ul> |                        |
| , ,  |                        |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if   | any)                   |
| All wetland(s) considered in cumulative analysis:  |                        |
|  |                        |
| Wetland acres in total being considered in cumulative analysis:  |                        |

| . SIGNIFICANT NEXUS DETERMINATION  |   |
|--|---|
| 1. Significant nexus findings for non-RPW that has no into TNW. Explain:   | adjacent wetlands and flows directly or indirectly  |
| This unnamed ephemeral drainage is located more that between Powers Butte and Gillespie Dam. An analysis discharges, in combination with the geomorphology of downstream manmade impoundment (Tat Momolikot possibility of a hydrologic connection between this dracritical habitats were identified within the Analysis Are does not provide lifecycle support functions, nutrients drainage does not have more than a speculative or instinuous mitter than a speculative or instinuous with the TNW reach of the Gila River between P | of peak yearly discharges and potential flood f the Analysis Area, the presence of a significant Dam), and the distance to the TNW, suggests that the sinage and the TNW is tenuous. No pollutants or ea. Additionally, this unnamed ephemeral drainage, or organic carbon to species within the TNW. This ubstantial effect on the physical, chemical, and/or ed ephemeral drainage does not possess a significant |
| 2. Significant nexus findings for non-RPW and its adja or indirectly into TNW. Explain:  | cent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for wetlands adjacent to Explain:  | an RPW but that do not directly abut the RPW.   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):   | Width (ft), Or, Acres   |
| 3. Non-RPWs that flow directly or indirectly into TNW  | Vs.   |
| Non-TNW/non-RPW waterbody that flows directly with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet):   | or indirectly into a TNW and has a signficant nexus   |
| Reserved for Section III D 4 (Wetlands directly abutting   | ng RPWs):   |
| Reserved for Section III D 5 (Wetlands adjacent to but   | not directly abutting RPWs):  |
| 6. Wetlands adjacent to non-RPWs that flow directly  | or indirectly into TNWs.  |
|  | tion with the tributary and other adjacent wetlands,  |
| has a significant nexus with the TNW.  |   |
| - · · · · · · · · · · · · · · · · · · ·  |   |
| has a significant nexus with the TNW.  |   |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 20B1   |                          |  |  |
|--|--------------------------|--|--|
|  |                          | s ephemeral drainage determined that it did not  |  |
| possess a significant nexus w  | ith the hearest riviv.   |  |  |
| Explain finding of Other:  |                          |  |  |
| ✓ Non-wetland waters   | 3033.41 linear feet      | et (ft), 12.67 width (ft)                        |  |
| ☐ Other waters   | acres                    |  |  |
| ☐ Wetlands   | acres                    |  |  |
| ECTION IV: DATA SOURCES  |                          |  |  |
|  | Cubmitted by Applica     | nt/Consultant, Westland Passuress Inc            |  |
| ✓ Data Sheets Prepared/Su  |                          | nt/Consultant: WestLand Resources, Inc.          |  |
| <ul><li>Data Sneets Prepared/Su</li><li>Office Concurs with de</li></ul> | •                        | plicant  |  |
| ☐ Office Does Not Conc   |                          |  |  |
|  |                          |  |  |
| ☐ Data Sheets Prepared by  | •                        |  |  |
| ☐ Corps Navigable Water St   | •                        |  |  |
| ☐ US Geological Survey Hyd   | rologic Atlas            |  |  |
| USGS NHD Data  |                          |  |  |
| ☐ USGS 8 and 12 digit F  | IUC Map                  |  |  |
| ✓ US Geological Survey Ma  | p(s) Scale and Quad Na   | ame:   |  |
| Silver Reef Mountain   | s SE, North Komelik, and | d Santa Rosa Mountains NW 7.5-Minute Quadrangles |  |
| ☐ USDA Nat'l Res Conserva  | tion Comico Coil Cumiou  | Citation:  |  |
| □ National Wetlands Invent   | •                        |  |  |
| ☐ State/Local Wetland Inve   |                          | valile.  |  |
| ☐ FEMA/FIR Maps  | illory iviaps            |  |  |
| ☐ 100-year Floodplain Eleva  | ation is:                | (National Geodetic Vertical Datum of 1929)       |  |
| '  |                          | licrosoft Virtual Earth 2008                     |  |
| ✓ Other Photographs (Na  | •                        |  |  |
| ☐ Previous Determinations  | •                        |  |  |
| ☐ Applicable/Supporting Ca   |                          | icoponise Letter.                                |  |
| Applicable/Supporting Sc   |                          | ation.   |  |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION  |  |                                 |
|--|--|---------------------------------|
| A. Report Completion Date for Approved Jurisdictional De   | ermination: 07/30/2                                    | 012                             |
| B. District Office and File No: Los Angeles District, File No  | . Pending  |                                 |
| C. Project Location and Background Information: <b>Draina</b>  | ge Feature 20B2  |                                 |
| City, County, State Sif Oidak District, Tohono O'odham   | Nation, Pima and Pinal                                 | Counties, Arizona               |
| Center coordinates of site: Lat. 32.5073   | ng111.9100   |                                 |
| Name of nearest waterbody: Unnamed Wash 20B2   |  |                                 |
| Name of nearest downstream TNW: Gila River between HUC Code: 15050306  | Powers Butte and Gilles                                | pie Dam                         |
| ✓ Map/Diagram of potential jurisdictional area is available  | e on request   |                                 |
| D. Review Performed for Site Evaluation:   | ·  |                                 |
| Office Determination. Date:  |  |                                 |
| Field Determination. Date: 05/2012   |  |                                 |
| -  |  |                                 |
| SECTION II: SUMMARY OF FINDINGS  |  |                                 |
| A. RHA Section 10 Determination of Jurisdiction  |  |                                 |
| There Are No "navigable waters of the U.S." within RHA   | Tjurisaiction in the revie                             | ew area.                        |
| B. CWA Section 404 Determination of Jurisdiction   |  |                                 |
| There Are No "waters of the U.S." within CWA juri  | saiction in the review a                               | ea.                             |
| 1. Waters of the US:   | t) and/ar  | Aoros                           |
|  | t) and/or  | Acres                           |
| Limits of Jurisdiction based on:   |  |                                 |
| <ol> <li>Non-Regulated Waters/Wetlands:</li> <li>Potentially jurisdictional waters and/or wetlands waters</li> </ol>   | ere assessed and deter                                 | mined not to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TI considered jurisdictional if it possessed a significant not possess a significant nexus with the downstream | t nexus with a downstr                                 |                                 |
| SECTION III: CWA ANALYSIS  |  |                                 |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |  |                                 |
| 1. Identified TNW:   |  |                                 |
| Rationale for TNW determination:   |  |                                 |
| 2. Rationale for conclusion that any wetlands present  | are "adjacent":  |                                 |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS A  | DJACENT WETLANDS                                       |                                 |
| TNW Watershed Size (sq mi): 49650 Tri  | outaries flow to TNW:                                  | 4                               |
|  | er Miles from tributary                                |                                 |
|  | er Miles from tributary                                |                                 |
| -  | rial Miles from tributary<br>rial Miles from tributary |                                 |
| ☐ Project waters cross or serve as state boundaries.   | Explain:   |                                 |

Feature ID: 20B2

| Unnamed drainages v<br>suggests the most lik<br>River.                                      |   | •   |                    |              | sa Wash. Topography<br>z Wash to the Gila |
|---|---|---|--------------------|--------------|---|
| Tributary is: Natural   | Expl  | lain:                                       |                    |              |   |
| Average Width (ft):   | 6.89  |   |                    |              |   |
| Average Depth (ft):   | 1   |   |                    |              |   |
|   |   |   |                    |              |   |
| Average Side Slopes:<br>Primary tributary sub   | strate compo  | •   |                    | □ Vogetetien |   |
| Average Side Slopes:  Primary tributary sub  ✓ Silts ☐ Sands  ☐ Concrete ☐ N                | estrate composition Cobb  | bles Bedro                                  |                    | ☐ Vegetation |   |
| Average Side Slopes:  Primary tributary sub  Silts Sands  Concrete N                        | estrate composition Cobb  | bles Bedro                                  |                    | ☐ Vegetation |   |
| Average Side Slopes:  Primary tributary sub  Silts Sands  Concrete N  Tributary Condition/S | Strate composition of Cobb<br>Muck Oth                                  | her, Explain:  lain: Stable                 |                    | ☐ Vegetation |   |
| Average Side Slopes:  Primary tributary sub  Silts  Sands                                   | estrate composition of Cobb  Muck Other  Stability. Exples  e/Pool Comp | her, Explain: lain: Stable plexes. Explain: | ck <b>☑</b> Gravel | ☐ Vegetation |   |

| (c) Flow:                  |                       |                  |   |            |                  |  |
|----------------------------|-----------------------|------------------|---|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Events per y                         | ear:       | 2-5              |  |
| Describe Flow Regime:      | Ephemeral             | Other Inf        | Other Information on Duration and Volume: |            |                  |  |
| Surface Flow is:           | Confined              | Characte         | Characteristics:                          |            |                  |  |
| Subsurface Flow:           | No                    | Explain:         |   |            |                  |  |
| Tributary Has:             |                       |                  |   |            |                  |  |
|                            |                       |                  |   |            |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |   |            |                  |  |
|                            | impressed on the bank | $\square$ $\lor$ | /egetation matte                          | d down, l  | pent or absent   |  |
| ✓ Changes in soil cha      | •                     |                  | eaf litter disturbe                       |            |                  |  |
| ☐ Shelving                 |                       | □ P              | Presence of litter                        | and debr   | is               |  |
| ☐ Sediment deposition      | on                    | ✓ [              | Destruction of ter                        | restrial v | egetation        |  |
| Sediment sorting           |                       |                  | Abrupt change in <sub>I</sub>             | plant con  | nmunity          |  |
| ☐ Scour                    |                       |                  | Multiple observed                         | l or predi | cted flow events |  |
| ☐ Presence of wrack        | line                  | □ <b>v</b>       | Water staining                            |            |                  |  |
| Other (list):              |                       |                  |   |            |                  |  |
| ☐ Discontinuous? Ex        | kplain:               |                  |   |            |                  |  |
| (iii) Chemical Characteris | tice:                 |                  |   |            |                  |  |
| •                          |                       |                  |   |            |                  |  |
| Characterize Tributa       | •                     |                  |   |            |                  |  |
| Identify Specific Poll     | utants, if known:     |                  |   |            |                  |  |
|                            |                       |                  |   |            |                  |  |
|                            |                       |                  |   |            |                  |  |
|                            |                       |                  |   |            |                  |  |
|                            |                       |                  |   |            |                  |  |

| Feature ID: 20B2   |
|--|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |
| Riparian Corridor Characteristics:   |
| ☐ Wetland Fringe Characteristics:  |
| Habitat for:   |
| ☐ Federally Listed Species Explain:  |
| ☐ Fish/Spawn Areas Explain:  |
| <ul><li>☐ Other environmentally -sensitive species Explain:</li><li>☐ Aquatic/Wildlife diversity Explain:</li></ul>                                  |
| Aquatic/ whitime diversity Explain.  |
| <ul><li>2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW</li><li>(i) Physical Characteristics:</li></ul> |
| Wetland Size (ac): Wetland Type, Explain:  |
| Wetland Quality, Explain:  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |
| Wetland Flow is: Explain:  |
| Surface Flow is: Characteristics:  |
| Subsurface Flow: Explain Findings:   |
| Wetland Directly Abutting Non-TNW  |
| ☐ Wetland Not Directly Abutting Non-TNW  |
| Discrete wetland hydrologic connection Explain:  |
| ☐ Ecological connection Explain:   |
| ☐ Separated by berm/barrier Explain:  Project Wetlands: River Miles from TNW:  |
| Project Wetlands: Aerial Miles from TNW:   |
| Flow is From:  |
| Approximate Location of Wetland within Floodplain:   |
| (ii) Chemical Characteristics:   |
| Characterize Wetland System:   |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |
| Riparian Buffer Explain:   |
| ☐ Vegetation type/percent cover. Explain:  Habitat for:  |
| Federally Listed Species Explain:  |
| ☐ Fish/Spawn Areas Explain:  |
| ☐ Other environmentally-sensitive species Explain:   |
| ☐ Aquatic/Wildlife Diversity Explain:  |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |
| All wetland(s) considered in cumulative analysis:  |
| Wetland acres in total being considered in cumulative analysis:  |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions):                                |
| (a. 22. ), a. 22. (a. 22. ), a. 23. (a. 23. 23. 23. 23. 23. 23. 23. 23. 23. 23   |
|  |
|  |

| SIGNIFICANT NEXUS DETERMINA  | ATION  |
|--|--|
| 1. Significant nexus findings for into TNW. Explain:   | non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Giller discharges, in combination with downstream manmade impound possibility of a hydrologic connectivitical habitats were identified vidoes not provide lifecycle suppodrainage does not have more the biological integrity of the TNW. The nexus with the TNW reach of the   | ge is located more than 100 river miles from the nearest TNW, the Gila River spie Dam. An analysis of peak yearly discharges and potential flood the geomorphology of the Analysis Area, the presence of a significant dment (Tat Momolikot Dam), and the distance to the TNW, suggests that the ction between this drainage and the TNW is tenuous. No pollutants or within the Analysis Area. Additionally, this unnamed ephemeral drainage rt functions, nutrients, or organic carbon to species within the TNW. This can a speculative or insubstantial effect on the physical, chemical, and/or Therefore, this unnamed ephemeral drainage does not possess a significant to Gila River between Powers Butte and Gillespie Dam. |
| or indirectly into TNW. Explain:   | non-kr w and its adjacent wetlands, where the non-kr w nows directly   |
| 2 Significant poyus findings for   | wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| Explain: DETERMINATIONS OF JURISDIC  | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetlands  TNWs: Linear  Wetlands adjacent to TNWs   | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  Feet Width (ft), Or, Acres  Acres  |
| Explain:  DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetlands  TNWs: Linear  | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  Feet Width (ft), Or, Acres  Acres  Vs):  |
| Explain:  DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetlands  TNWs: Linear  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly  | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  Feet Width (ft), Or, Acres  Acres  Vs):  or indirectly into TNWs.  ody that flows directly or indirectly into a TNW and has a signficant nexus   |
| Explain:  DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetlands  TNWs: Linear  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly  Non-TNW/non-RPW waterbowith a TNW, and is therfore j  | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  The Feet   |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetlands  TNWs:  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly  Non-TNW/non-RPW waterbowith a TNW, and is therfore jurisdiction in the section III D 4 (Wetlands)  Reserved for Section III D 4 (Wetlands)   | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  The Feet   |
| DETERMINATIONS OF JURISDIC  L. TNWs and Adjacent Wetlands  TNWs:  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly  Non-TNW/non-RPW waterbowith a TNW, and is therfore j Length (Linear Feet):  Reserved for Section III D 4 (We  Reserved for Section III D 5 (We   | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  Feet Width (ft), Or, Acres  Acres  Vs):  or indirectly into TNWs.  ody that flows directly or indirectly into a TNW and has a signficant nexus urisdictional.  Width (feet): Acres:  |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetlands  TNWs:  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly  Non-TNW/non-RPW waterbowith a TNW, and is therfore juring Length (Linear Feet):  Reserved for Section III D 4 (We Reserved for Section III D 5 (We 6. Wetlands adjacent to non-RI  | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  Feet   |
| Explain:  DETERMINATIONS OF JURISDIC  L. TNWs and Adjacent Wetlands  TNWs: Linear  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly  Non-TNW/non-RPW waterbowith a TNW, and is therfore j Length (Linear Feet):  Reserved for Section III D 4 (We  Reserved for Section III D 5 (We  6. Wetlands adjacent to non-RP  | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  The Feet   |
| Explain:  DETERMINATIONS OF JURISDIC*  L. TNWs and Adjacent Wetlands  TNWs:  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly  Non-TNW/non-RPW waterbowith a TNW, and is therfore jubength (Linear Feet):  Reserved for Section III D 4 (We Reserved for Section III D 5 (We 6. Wetlands adjacent to non-RP has a significant nexus with the second in the sec | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  The feet   |

# Length (linear feet): Acres: F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 20B2                                       |                     |                    |               |                           |            |
|--|---------------------|--------------------|---------------|---------------------------|------------|
| As described in Section 3C possess a significant nexus |                     | •                  | neral draina  | ge determined that it dic | Inot       |
| Explain finding of Other:                              |                     |                    |               |                           |            |
| ✓ Non-wetland waters                                   | 1233.74 l           | inear feet (ft),   | 6.89          | width (ft)                |            |
| Other waters   |                     | acres              |               |                           |            |
| ☐ Wetlands   |                     | acres              |               |                           |            |
| SECTION IV: DATA SOURCES                               |                     |                    |               |                           |            |
| ✓ Maps, Plans, Plots or P                              | lat Submitted by    | Applicant/Cons     | sultant: W    | estLand Resources, Inc.   |            |
| ✓ Data Sheets Prepared/                                | Submitted on beh    | nalf of Applicant  |               |                           |            |
| Office Concurs with                                    |                     |                    |               |                           |            |
| ☐ Office Does Not Cor                                  | ncur with delineat  | tion               |               |                           |            |
| Data Sheets Prepared b                                 |                     |                    |               |                           |            |
| ☐ Corps Navigable Water                                | •                   |                    |               |                           |            |
| ☐ US Geological Survey H                               | ydrologic Atlas     |                    |               |                           |            |
| USGS NHD Data  |                     |                    |               |                           |            |
| USGS 8 and 12 digi                                     | t HUC Map           |                    |               |                           |            |
| ✓ US Geological Survey N                               | /lap(s) Scale and   | Quad Name:         |               |                           |            |
| Silver Reef Mounta                                     | ins SE, North Kon   | nelik, and Santa I | Rosa Mount    | tains NW 7.5-Minute Qua   | adrangles  |
| ☐ USDA Nat'l Res Conserv                               | vation Service Soi  | l Survey Citatio   | on:           |                           |            |
| ☐ National Wetlands Inve                               |                     | ite Map Name:      |               |                           |            |
| ☐ State/Local Wetland In                               | ventory Maps        | ·                  |               |                           |            |
| ☐ FEMA/FIR Maps  |                     |                    |               |                           |            |
| $\square$ 100-year Floodplain Ele                      | evation is:         |                    | (National     | Geodetic Vertical Datum   | ı of 1929) |
| Aerial Photographs (N                                  | Name and Date):     | BING, Microsoft    | : Virtual Ear | th 2008                   |            |
| Other Photographs (N                                   | Name and Date):     | Ground Photos;     | May 2012      |                           |            |
| Previous Determination                                 |                     | Date of Response   | e Letter:     |                           |            |
| Applicable/Supporting                                  |                     |                    |               |                           |            |
| ☐ Applicable/Supporting                                | Scientific Literatu | re Citation:       |               |                           |            |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION   |              |
|---|--------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |              |
| 3. District Office and File No: Los Angeles District, File No. Pending  |              |
| C. Project Location and Background Information: Drainage Feature 20B3   |              |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties, A   | rizona       |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |              |
| Name of nearest waterbody: Unnamed Wash 20B3  |              |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam   |              |
| HUC Code: 15050306  |              |
| ☑ Map/Diagram of potential jurisdictional area is available on request  |              |
| D. Review Performed for Site Evaluation:  |              |
| Office Determination. Date:   |              |
| Field Determination. Date: 05/2012  |              |
| SECTION II: SUMMARY OF FINDINGS   |              |
| A. RHA Section 10 Determination of Jurisdiction   |              |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.   |              |
| B. CWA Section 404 Determination of Jurisdiction  |              |
| <b>There Are No</b> "waters of the U.S." within CWA jurisdiction in the review area.  |              |
| 1. Waters of the US:  |              |
| Linear Feet Width (ft) and/or Acres   |              |
| Limits of Jurisdiction based on:  |              |
| 2. Non-Regulated Waters/Wetlands:   |              |
| ✓ Potentially jurisdictional waters and/or wetlands were assessed and determined not to   |              |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drainag considered jurisdictional if it possessed a significant nexus with a downstream TNW. I not possess a significant nexus with the downstream TNW. | •            |
| SECTION III: CWA ANALYSIS   |              |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |              |
| 1. Identified TNW:  |              |
| Rationale for TNW determination:  |              |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |              |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS   |              |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4            |
| Drainage Area (sq mi): 0.00026 River Miles from tributary to TNW:   | 30 (or more) |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:  |              |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW:  Aerial Miles from tributary to RPW:  | 30 (or more) |
| Project waters cross or serve as state boundaries. Explain:   |              |
|   |              |

Feature ID: 20B3

|   | •               | sis Area are ultimately tributary to the Santa Rosa Wash. Topography ential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|---|-----------------|--|
| Tributary is: Natural                         | Explain:        |  |
| 0 ( )   | 8.68            |  |
| Average Depth (ft):                           | 1               |  |
| Average Side Slopes:                          | 2:1             |  |
| Tributary Condition/S Presence of Run/Riffle  | /Pool Complexe  | res. Explain: Not Present  |
| T.:: t  | Relatively Stra |  |
| Tributary Geometry:<br>Tributary Gradient (ag | proximate avera | rage slope): 2%  |

| Tributary Provides for:                                    | Ephemeral Flow       | Average  | Flow Ev  | ents per ye                  | ar:      | 2-5          |       |  |
|--|----------------------|--|----------|------------------------------|----------|--------------|-------|--|
| Describe Flow Regime:                                      | Ephemeral            | Other Inf  | ormatic  | on on Dura                   | tion and | d Volume:    |       |  |
| Surface Flow is:   | Confined             | Characte   | ristics: |                              |          |              |       |  |
| Subsurface Flow:   | No                   | Explain:   |          |                              |          |              |       |  |
| Tributary Has:   |                      |  |          |                              |          |              |       |  |
| <ul><li>☐ Bed and Banks</li><li>✓ OHWM: OHWM Inc</li></ul> | licators             |  |          |                              |          |              |       |  |
|  |                      |  | /ogototi | on mattad                    | ا مییم ا | hant ar abso | n+    |  |
|  | mpressed on the bank |  | -        |                              |          | bent or abse | ent.  |  |
| ✓ Changes in soil cha                                      | racter               |  |          | r disturbed<br>e of litter a |          | •            |       |  |
| ☐ Shelving   | <b>.</b>             |  |          |                              |          |              |       |  |
| Sediment deposition  | )II                  | <ul><li>Destruction of terrestrial vegetation</li><li>Abrupt change in plant community</li></ul> |          |                              |          |              |       |  |
| ✓ Sediment sorting   |                      |  |          |                              |          |              |       |  |
| ☐ Scour  |                      |  |          |                              | or predi | cted flow ev | ents/ |  |
| ☐ Presence of wrack  | line                 | □ <b>\</b>   | Vater st | aining                       |          |              |       |  |
| Other (list):  |                      |  |          |                              |          |              |       |  |
| ☐ Discontinuous? Ex  | plain:               |  |          |                              |          |              |       |  |
| (iii) Chemical Characteris                                 | tics:                |  |          |                              |          |              |       |  |
| Characterize Tributar                                      | ry:                  |  |          |                              |          |              |       |  |
| Identify Specific Pollu                                    | utants, if known:    |  |          |                              |          |              |       |  |
|  |                      |  |          |                              |          |              |       |  |
|  |                      |  |          |                              |          |              |       |  |
|  |                      |  |          |                              |          |              |       |  |
|  |                      |  |          |                              |          |              |       |  |

| v) Biological Characteristic    | cs. Channel supports (check all that apply):                          |
|---------------------------------|---|
| $\square$ Riparian Corridor Ch  | haracteristics:   |
| ☐ Wetland Fringe Char           | racteristics:   |
| Habitat for:                    |   |
| ☐ Federally Listed Spec         | cies Explain:   |
| ☐ Fish/Spawn Areas              | Explain:  |
| $\square$ Other environmental   | lly -sensitive species Explain:                                       |
| $\square$ Aquatic/Wildlife dive | ersity Explain:   |
| 2. Characteristics of wetlan    | nds adjacent to non-TNW that flow directly or indirectly into TNW     |
| i) Physical Characteristics:    | ······································                                |
| Wetland Size (ac):              | Wetland Type, Explain:  |
| Wetland Quality, Explain        | in:   |
| <b>Project Wetlands Cross</b>   | or Serve as State Boundaries, Explain:                                |
| Wetland Flow is:                | Explain:  |
| Surface Flow is:                | Characteristics:  |
| Subsurface Flow:                | Explain Findings:   |
| ☐ Wetland Directly Abu          | utting Non-TNW  |
| ☐ Wetland Not Directly          | -   |
| •                               | hydrologic connection Explain:  |
| ☐ Ecologcal connecti            |   |
| ☐ Separated by bern             | ·   |
| Project Wetlands: River         | Miles from TNW:   |
| Project Wetlands: Aeria         | al Miles from TNW:  |
| Flow is From:                   |   |
| Approximate Location of         | of Wetland within Floodplain:   |
| ii) Chemical Characteristics    |   |
| Characterize Wetland S          | ystem:  |
|                                 | cs. Wetland supports (check all that apply):                          |
| ☐ Riparian Buffer Exp           |   |
| •                               | ercent cover. Explain:  |
| Habitat for:                    |   |
| ☐ Federally Listed Sp           | pecies Explain:   |
| ☐ Fish/Spawn Areas              | •   |
| •                               | ntally-sensitive species Explain:                                     |
| ☐ Aquatic/Wildlife D            |   |
| •                               | tlands adjacent to the non-TNW tributary (if any)                     |
| Silai acteristics of all WEL    |   |
| All ,,, at land (a) =           |   |
| All wetland(s) considere        | ped in cumulative analysis:  peing considered in cumulative analysis: |

| . SIGNIFICANT NEXUS DETERMINATION  | N   |
|--|---|
| 1. Significant nexus findings for non-Finto TNW. Explain:  | RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gillespie Edischarges, in combination with the godownstream manmade impoundment possibility of a hydrologic connection critical habitats were identified within does not provide lifecycle support fundrainage does not have more than a subiological integrity of the TNW. There   | located more than 100 river miles from the nearest TNW, the Gila River Dam. An analysis of peak yearly discharges and potential flood ecomorphology of the Analysis Area, the presence of a significant it (Tat Momolikot Dam), and the distance to the TNW, suggests that the between this drainage and the TNW is tenuous. No pollutants or the Analysis Area. Additionally, this unnamed ephemeral drainage ctions, nutrients, or organic carbon to species within the TNW. This peculative or insubstantial effect on the physical, chemical, and/or fore, this unnamed ephemeral drainage does not possess a significant River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for non-lor indirectly into TNW. Explain:  | RPW and its adjacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for wetla<br>Explain:  | ands adjacent to an RPW but that do not directly abut the RPW.  |
| DETERMINATIONS OF HURISDICTIONA  | AL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| . DETERMINATIONS OF JURISDICTIONA  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  | AL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  Width (ft), Or,  Acres  Acres   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):   | Width (ft), Or, Acres   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete to the section of the sec | Width (ft), Or,  Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus actional.  Width (feet):  Acres:  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete in the section of the sec | Width (ft), Or, Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus actional.  Width (feet): Acres:  s directly abutting RPWs):  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete in the section of the sec | Width (ft), Or, Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus intional.  Width (feet): Acres:  s directly abutting RPWs):  s adjacent to but not directly abutting RPWs):  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete the with a TNW, and is therfore jurisdiction Length (Linear Feet):  Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland 6. Wetlands adjacent to non-RPWs to the  | Width (ft), Or,  Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a significant nexus ictional.  Width (feet):  Acres:  s directly abutting RPWs):  s adjacent to but not directly abutting RPWs):  that flow directly or indirectly into TNWs.  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete in the section of the sec | Width (ft), Or,  Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus actional.  Width (feet):  Acres:  s directly abutting RPWs):  s adjacent to but not directly abutting RPWs):  that flow directly or indirectly into TNWs.  which, in combination with the tributary and other adjacent wetlands, NW.  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete in the section of the sec | Width (ft), Or,  Acres  Acres  directly into TNWs.  Pat flows directly or indirectly into a TNW and has a signficant nexus actional.  Width (feet):  S directly abutting RPWs):  S adjacent to but not directly abutting RPWs):  Chat flow directly or indirectly into TNWs.  Which, in combination with the tributary and other adjacent wetlands, NW.  Estland (in acres):  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete in the section of the sec | Width (ft), Or,  Acres  Acres  directly into TNWs.  Pat flows directly or indirectly into a TNW and has a signficant nexus actional.  Width (feet):  S directly abutting RPWs):  S adjacent to but not directly abutting RPWs):  Chat flow directly or indirectly into TNWs.  Which, in combination with the tributary and other adjacent wetlands, NW.  Estland (in acres):  |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

## Feature ID: 20B3 As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 849.83 linear feet (ft), 8.68 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ✓ Other Photographs (Name and Date): Ground Photos; May 2012 Previous Determinations File No. and Date of Response Letter:

☐ Applicable/Supporting Case Law Citation:

Other Information, Please Specify: Additional Comments to Support JD:

Applicable/Supporting Scientific Literature Citation:

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>       |                     |                                    |            |                      |
|--|---------------------|---------------------|------------------------------------|------------|----------------------|
| A. Report Completion Date for App  | roved Jurisdictio   | nal Determination   | n: 07/30/20                        | 12         |                      |
| B. District Office and File No: Los  | Angeles District,   | File No. Pending    |                                    |            |                      |
| C. Project Location and Background   | d Information:      | Drainage Feature    | 20B3A                              |            |                      |
| City, County, State Sif Oidak Dis  | strict, Tohono O'   | odham Nation, Pir   | ma and Pinal C                     | ounties, A | rizona               |
| Center coordinates of site: Lat.   | 32.5073             | Long111.9           | 100                                |            |                      |
| Name of nearest waterbody: Un  | named Wash 20E      | 33A                 |                                    |            |                      |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | W: Gila River be    | tween Powers Bu     | tte and Gillesp                    | ie Dam     |                      |
| ✓ Map/Diagram of potential juris   | dictional area is a | available on reque  | est                                |            |                      |
| D. Review Performed for Site Evalu   | ation:              |                     |                                    |            |                      |
| Office Determination. Date:  |                     |                     |                                    |            |                      |
| Field Determination. Date: 05/   | 2012                |                     |                                    |            |                      |
| SECTION II: SUMMARY OF FINDIN  | GS                  |                     |                                    |            |                      |
| A. RHA Section 10 Determination  |                     |                     |                                    |            |                      |
| There Are No "navigable waters   |                     | hin RHA jurisdictio | on in the reviev                   | w area.    |                      |
| B. CWA Section 404 Determination   | on of Jurisdiction  |                     |                                    |            |                      |
| There Are No "waters of the  | ne U.S." within C\  | NA jurisdiction in  | the review are                     | a.         |                      |
| 1. Waters of the US:   |                     |                     |                                    |            |                      |
| Linear Feet  | V                   | Vidth (ft) and/or   |                                    | Acres      |                      |
| Limits of Jurisdiction based on:   |                     |                     |                                    |            |                      |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional was</li> </ol> |                     | ands were assess    | ed and determ                      | ined not t | o be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne    | it possessed a sig  | gnificant nexus wi  | •                                  | _          | •                    |
| SECTION III: CWA ANALYSIS  |                     |                     |                                    |            |                      |
| A. TNWs AND WETLANDS ADJACE  | NT TO TNWs          |                     |                                    |            |                      |
| 1. Identified TNW:   |                     |                     |                                    |            |                      |
| Rationale for TNW determinate  | ion:                |                     |                                    |            |                      |
| 2. Rationale for conclusion tha  | it any wetlands p   | resent are "adjac   | ent":                              |            |                      |
| B. CHARACTERISTICS OF NON-TN   | W TRIBUTARY AN      | ID ITS ADJACENT     | WETLANDS                           |            |                      |
| TNW Watershed Size (sq mi):  | 49650               | Tributaries flo     |                                    |            | 4                    |
| Drainage Area (sq mi):   | 0.00009             |                     | om tributary to                    |            | 30 (or more)         |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                            | 8.5<br>0            |                     | om tributary to<br>rom tributary t |            | 30 (or more)         |
| Average Alliluai Siluwiaii (III).  | J                   |                     | rom tributary                      |            | 50 (of filote)       |
| ☐ Project waters cross or serv   | ve as state bound   |                     | ,                                  |            |                      |

Feature ID: 20B3A

| Unnamed drainages v           | vithin the Analysis A                 | Area are ultimately tributary to the Sa | anta Rosa Wash. Topography |
|-------------------------------|---------------------------------------|---|----------------------------|
| suggests the most like River. | ely route of potenti                  | al flow is Santa Rosa Wash to the Sar   | nta Cruz Wash to the Gila  |
| Tributary is: Natural         | Explain:                              |   |                            |
| Average Width (ft):           | 5.89                                  |   |                            |
| Average Depth (ft):           | 1                                     |   |                            |
| Average Side Slopes:          | 2:1                                   |   |                            |
| Drimary tributary sub         | strate composition                    | (check all that apply):                 |                            |
| •                             | •                                     | <u></u>                                 |                            |
| ✓ Silts ☐ Sands               | ☐ Cobbles                             | ☐ Bedrock ☑ Gravel ☐ Vege               | etation                    |
| ☐ Concrete ☐ M                | 1uck Other, Exp                       | olain:                                  |                            |
| Tributary Condition/S         | tability. Explain:                    | Stable                                  |                            |
| Presence of Run/Riffle        |                                       |   |                            |
| Tributary Geometry:           | Relatively Straigl                    | •                                       |                            |
| Tributary Gradient (a)        |                                       |   |                            |
| ,                             |                                       | . ,                                     |                            |
|                               |                                       |   |                            |
|                               |                                       |   |                            |
|                               |                                       |   |                            |
|                               |                                       |   |                            |
|                               |                                       |   |                            |
|                               |                                       |   |                            |
| c) Flow:                      |                                       |   |                            |
| ributary Provides for:        | Enhemeral Flow                        | Average Flow Events per year:           | 2-5                        |
| •                             | · · · · · · · · · · · · · · · · · · · |   |                            |
| escribe Flow Regime:          | · · · · · · · · · · · · · · · · · · · | Other Information on Duration a         |                            |

| Tributary Provides for:    | Ephemeral Flow        | Average                                   | Flow Eve   | ents per ye | ear:      | 2-5               |   |
|----------------------------|-----------------------|---|------------|-------------|-----------|-------------------|---|
| Describe Flow Regime:      | Ephemeral             | Other Information on Duration and Volume: |            |             |           |                   |   |
| Surface Flow is:           | Confined              | Characte                                  | ristics:   |             |           |                   |   |
| Subsurface Flow:           | No                    | Explain:                                  |            |             |           |                   |   |
| Tributary Has:             |                       |   |            |             |           |                   |   |
| ☐ Bed and Banks            |                       |   |            |             |           |                   |   |
| ✓ OHWM: OHWM Inc           | dicators:             |   |            |             |           |                   |   |
| ☐ Clear, natural line      | impressed on the bank |   | /egetati   | on matted   | down,     | bent or absent    |   |
| Changes in soil cha        | aracter               | □ L                                       | eaf litte. | r disturbe  | d or wa   | shed away         |   |
| ☐ Shelving                 |                       | □ P                                       | resence    | of litter a | nd deb    | ris               |   |
| ☐ Sediment deposition      | on                    | ✓ [                                       | Destruct   | ion of terr | estrial v | egetation         |   |
| Sediment sorting           |                       |   | Abrupt c   | hange in p  | lant co   | mmunity           |   |
| ☐ Scour                    |                       |   | Multiple   | observed    | or pred   | icted flow events | ı |
| ☐ Presence of wrack        | line                  | $\square$ $\vee$                          | Vater st   | aining      |           |                   |   |
| Other (list):              |                       |   |            |             |           |                   |   |
| ☐ Discontinuous? Ex        | kplain:               |   |            |             |           |                   |   |
| (iii) Chemical Characteris | tice                  |   |            |             |           |                   |   |
|                            |                       |   |            |             |           |                   |   |
| Characterize Tributa       |                       |   |            |             |           |                   |   |
| Identify Specific Poll     | utants, if known:     |   |            |             |           |                   |   |
|                            |                       |   |            |             |           |                   |   |
|                            |                       |   |            |             |           |                   |   |
|                            |                       |   |            |             |           |                   |   |
|                            |                       |   |            |             |           |                   |   |

| ) Biological Characteristics   | s. Channel supports (check all that apply):   |
|--|---|
| Riparian Corridor Ch   | naracteristics:   |
| ☐ Wetland Fringe Char  |   |
| Habitat for:   |   |
| ☐ Federally Listed Speci   | ies Explain:  |
| ☐ Fish/Spawn Areas   | Explain:  |
| $\square$ Other environmentall   | lly -sensitive species Explain:   |
| ☐ Aquatic/Wildlife diver   | rsity Explain:  |
| Characteristics of wetland   | ds adjacent to non-TNW that flow directly or indirectly into TNW  |
| Physical Characteristics:  | as adjacent to non-rivin that non-ancesty of mancesty into rivin  |
| Wetland Size (ac):   | Wetland Type, Explain:  |
| Wetland Quality, Explain   |   |
| • • •  | or Serve as State Boundaries, Explain:  |
| Wetland Flow is:   | Explain:  |
| Surface Flow is:   | Characteristics:  |
| Subsurface Flow:   | Explain Findings:   |
| ☐ Ecological connection ☐ Separated by berm Project Wetlands: River Project Wetlands: Aerial Flow is From:   | n/barrier Explain: Miles from TNW: I Miles from TNW: of Wetland within Floodplain:  |
|  | vstem:  |
| Characterize Wetland Sy  | ,   |
| •  | ss. Wetland supports (check all that apply):  |
| <ul> <li>Biological Characteristics</li> <li>□ Riparian Buffer Exp</li> <li>□ Vegetation type/per</li> <li>Habitat for:</li> <li>□ Federally Listed Spe</li> <li>□ Fish/Spawn Areas</li> </ul> | es. Wetland supports (check all that apply):  plain:  precies Explain:  Explain:  atally-sensitive species Explain:                     |
| ) Biological Characteristics  Riparian Buffer Exp Vegetation type/per Habitat for: Federally Listed Spe Fish/Spawn Areas Other environment Aquatic/Wildlife Di                                 | es. Wetland supports (check all that apply):  plain:  precies Explain:  Explain:  atally-sensitive species Explain:                     |
| ) Biological Characteristics  Riparian Buffer Exp Vegetation type/per Habitat for: Federally Listed Special Fish/Spawn Areas Other environment Aquatic/Wildlife Di                             | es. Wetland supports (check all that apply):  plain:  precies Explain:  Explain:  ptally-sensitive species Explain:  piversity Explain: |

| . SIGNIFICANT NEXUS DETERM   | INATION  |
|--|--|
| 1. Significant nexus findings for into TNW. Explain:   | or non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gi discharges, in combination wit downstream manmade impour possibility of a hydrologic concritical habitats were identified does not provide lifecycle supply drainage does not have more biological integrity of the TNW  | nage is located more than 100 river miles from the nearest TNW, the Gila River llespie Dam. An analysis of peak yearly discharges and potential flood the the geomorphology of the Analysis Area, the presence of a significant undment (Tat Momolikot Dam), and the distance to the TNW, suggests that the nection between this drainage and the TNW is tenuous. No pollutants or d within the Analysis Area. Additionally, this unnamed ephemeral drainage port functions, nutrients, or organic carbon to species within the TNW. This than a speculative or insubstantial effect on the physical, chemical, and/or 7. Therefore, this unnamed ephemeral drainage does not possess a significant the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for indirectly into TNW. Explain   | or non-RPW and its adjacent wetlands, where the non-RPW flows directly in:   |
| 3. Significant nexus findings for Explain:   | or wetlands adjacent to an RPW but that do not directly abut the RPW.  |
|  |  |
| . DETERMINATIONS OF JURISD  1. TNWs and Adjacent Wetlar  |  |
| . DETERMINATIONS OF JURISD  1. TNWs and Adjacent Wetlar  | ear Feet Width (ft), Or, Acres  Ws: Acres  |
| . DETERMINATIONS OF JURISD  1. TNWs and Adjacent Wetlar  TNWs: Line Wetlands adjacent to TNV   | ear Feet Width (ft), Or, Acres  Ws: Acres  PWs):   |
| DETERMINATIONS OF JURISD  1. TNWs and Adjacent Wetlar  TNWs: Line Wetlands adjacent to TNV Reserved for Section III D 2 (R)  3. Non-RPWs that flow direct  | ear Feet Width (ft), Or, Acres  Ws: Acres  PWs):  Cly or indirectly into TNWs.  Thoody that flows directly or indirectly into a TNW and has a signficant nexus   |
| DETERMINATIONS OF JURISD  1. TNWs and Adjacent Wetlar  TNWs: Wetlands adjacent to TNV Reserved for Section III D 2 (RI  3. Non-RPWs that flow direct  Non-TNW/non-RPW water  | ear Feet Width (ft), Or, Acres  Ws: Acres  PWs):  Cly or indirectly into TNWs.  Thoody that flows directly or indirectly into a TNW and has a signficant nexus   |
| DETERMINATIONS OF JURISD  1. TNWs and Adjacent Wetlar  TNWs:  Wetlands adjacent to TNV Reserved for Section III D 2 (R  3. Non-RPWs that flow direct  Non-TNW/non-RPW water with a TNW, and is therfor Length (Linear Feet):   | ear Feet Width (ft), Or, Acres  Ws: Acres  PWs):  Ily or indirectly into TNWs.  rbody that flows directly or indirectly into a TNW and has a signficant nexus e jurisdictional.  |
| DETERMINATIONS OF JURISD  1. TNWs and Adjacent Wetlar  TNWs:  Wetlands adjacent to TNV Reserved for Section III D 2 (R  3. Non-RPWs that flow direct  Non-TNW/non-RPW water with a TNW, and is therfor Length (Linear Feet):  Reserved for Section III D 4 (V  | ear Feet Width (ft), Or, Acres  Ws: Acres  PWs):  Ily or indirectly into TNWs.  Thoody that flows directly or indirectly into a TNW and has a signficant nexus re jurisdictional.  Width (feet): Acres:  |
| DETERMINATIONS OF JURISD  1. TNWs and Adjacent Wetlar  TNWs: Wetlands adjacent to TNV Reserved for Section III D 2 (RI  3. Non-RPWs that flow direct  Non-TNW/non-RPW water with a TNW, and is therfor Length (Linear Feet):  Reserved for Section III D 4 (VI Reserved for Section III D 5 (VI)   | ear Feet Width (ft), Or, Acres  Ws: Acres  PWs):  Ily or indirectly into TNWs.  The body that flows directly or indirectly into a TNW and has a signficant nexus the jurisdictional.  Width (feet): Acres:  Wetlands directly abutting RPWs):  |
| DETERMINATIONS OF JURISD  1. TNWs and Adjacent Wetlar  TNWs: Wetlands adjacent to TNV Reserved for Section III D 2 (RI  3. Non-RPWs that flow direct Non-TNW/non-RPW water with a TNW, and is therfor Length (Linear Feet): Reserved for Section III D 4 (VI Reserved for Section III D 5 (VI 6. Wetlands adjacent to non-                               | ear Feet Width (ft), Or, Acres  Ws: Acres  PWs):  Ity or indirectly into TNWs.  Thooly that flows directly or indirectly into a TNW and has a signficant nexus to jurisdictional.  Width (feet): Acres:  Wetlands directly abutting RPWs):  Wetlands adjacent to but not directly abutting RPWs):  -RPWs that flow directly or indirectly into TNWs.  RPWs which, in combination with the tributary and other adjacent wetlands,   |
| DETERMINATIONS OF JURISD  1. TNWs and Adjacent Wetlar  TNWs: Wetlands adjacent to TNV Reserved for Section III D 2 (R)  3. Non-RPWs that flow direct Non-TNW/non-RPW water with a TNW, and is therfor Length (Linear Feet): Reserved for Section III D 4 (V) Reserved for Section III D 5 (V) 6. Wetlands adjacent to non- Wetland adjacent to non-      | ear Feet Width (ft), Or, Acres  Ws: Acres  PWs):  Ily or indirectly into TNWs.  Prody that flows directly or indirectly into a TNW and has a signficant nexus e jurisdictional.  Width (feet): Acres:  Wetlands directly abutting RPWs):  Wetlands adjacent to but not directly abutting RPWs):  -RPWs that flow directly or indirectly into TNWs.  RPWs which, in combination with the tributary and other adjacent wetlands, the the TNW.  |
| DETERMINATIONS OF JURISD  1. TNWs and Adjacent Wetlar  TNWs: Wetlands adjacent to TNV Reserved for Section III D 2 (R)  3. Non-RPWs that flow direct Non-TNW/non-RPW water with a TNW, and is therfor Length (Linear Feet): Reserved for Section III D 4 (V) Reserved for Section III D 5 (V)  6. Wetlands adjacent to non- has a significant nexus with | ear Feet Width (ft), Or, Acres  Ws: Acres  PWs):  Ily or indirectly into TNWs.  Probably that flows directly or indirectly into a TNW and has a signficant nexus to jurisdictional.  Width (feet): Acres:  Wetlands directly abutting RPWs):  Wetlands adjacent to but not directly abutting RPWs):  -RPWs that flow directly or indirectly into TNWs.  RPWs which, in combination with the tributary and other adjacent wetlands, the the TNW.  It ional wetland (in acres):  |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

## Feature ID: 20B3A As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 438.19 linear feet (ft), 5.89 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008

✓ Other Photographs (Name and Date): Ground Photos; May 2012☐ Previous Determinations File No. and Date of Response Letter:

☐ Applicable/Supporting Case Law Citation:

Other Information, Please Specify: Additional Comments to Support JD:

Applicable/Supporting Scientific Literature Citation:

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>     |                  |                                      |   |              |
|---|-------------------|------------------|--------------------------------------|---|--------------|
| A. Report Completion Date for App   | oroved Jurisdic   | tional Determi   | nation: 07/3                         | 0/2012  |              |
| B. District Office and File No: Los   | Angeles Distri    | ct, File No. Pen | ding                                 |   |              |
| C. Project Location and Background  | d Information:    | Drainage Fe      | ature 20C                            |   |              |
| City, County, State Sif Oidak Dis   | strict, Tohono    | O'odham Natio    | on, Pima and Pi                      | nal Counties, A                               | Arizona      |
| Center coordinates of site: Lat.  | 32.5073           | Long1            | 111.9100                             |   |              |
| Name of nearest waterbody: Un   | named Wash 2      | 20C              |                                      |   |              |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River     | between Powe     | ers Butte and G                      | illespie Dam                                  |              |
| ✓ Map/Diagram of potential juris  | dictional area    | is available on  | request                              |   |              |
| D. Review Performed for Site Evalu  | ation:            |                  |                                      |   |              |
| Office Determination. Date:   |                   |                  |                                      |   |              |
| Field Determination. Date: 05/2   | 2012              |                  |                                      |   |              |
| SECTION II: SUMMARY OF FINDIN   | GS                |                  |                                      |   |              |
| A. RHA Section 10 Determination   |                   | 1                |                                      |   |              |
| There Are No "navigable waters  | s of the U.S." v  | vithin RHA juris | diction in the r                     | eview area.                                   |              |
| B. CWA Section 404 Determination  | n of Jurisdiction | on               |                                      |   |              |
| There Are No "waters of the   | ne U.S." within   | CWA jurisdicti   | on in the reviev                     | w area.                                       |              |
| 1. Waters of the US:  |                   |                  |                                      |   |              |
| Linear Feet   |                   | Width (ft) and   | d/or                                 | Acres   |              |
| Limits of Jurisdiction based on:  |                   |                  |                                      |   |              |
| 2. Non-Regulated Waters/Wet   |                   |                  |                                      |   |              |
| ✓ Potentially jurisdictional wa   |                   |                  |                                      |   | •            |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a    | significant nex  | us with a dowr                       | -   | •            |
| SECTION III: CWA ANALYSIS   |                   |                  |                                      |   |              |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs        |                  |                                      |   |              |
| 1. Identified TNW:  |                   |                  |                                      |   |              |
| Rationale for TNW determinat  | tion:             |                  |                                      |   |              |
| 2. Rationale for conclusion tha   | t any wetland     | s present are "a | adjacent":                           |   |              |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY       | AND ITS ADJAC    | ENT WETLAND                          | S   |              |
| TNW Watershed Size (sq mi):   | 49650             |                  | ies flow to TNV                      |   | 4            |
| Drainage Area (sq mi):  | 0.00030           |                  | iles from tribut                     | •   | 30 (or more) |
| Average Annual Rainfall (in):   | 8.5               |                  | iles from tribut                     | •   | 20 (or mara) |
| Average Annual Snowfall (in):   | 0                 |                  | liles from tribu<br>Iiles from tribu | •   | 30 (or more) |
| ☐ Project waters cross or serv  | ve as state bou   |                  | lain:                                | <u>, , , , , , , , , , , , , , , , , , , </u> |              |

Feature ID: 20C

| _                     | •                      | ea are ultimately tributary to the Santa Rosa Wash. Topography flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila  |
|-----------------------|------------------------|--|
| Tributary is: Natural | Explain:               |  |
| Average Width (ft):   | 8.29                   |  |
| Average Depth (ft):   | 1                      |  |
| Average Side Slopes:  | 2:1                    |  |
| ✓ Silts               |                        | - Jean-ook - Toyota - |
| ☐ Concrete ☐ N        | luck Other, Expla      |  |
| ☐ Concrete ☐ M        |                        | ıble   |
| Fributary Condition/S |                        | ble  |
| Fributary Condition/S | tability. Explain: Sta | ble  |

| (c) Flow:                  |                       |            |            |             |            |                  |  |
|----------------------------|-----------------------|------------|------------|-------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average    | Flow Eve   | ents per ye | ear:       | 2-5              |  |
| Describe Flow Regime:      | Ephemeral             | Other Inf  | ormatic    | n on Dura   | tion and   | Volume:          |  |
| Surface Flow is:           | Confined              | Characte   | ristics:   |             |            |                  |  |
| Subsurface Flow:           | No                    | Explain:   |            |             |            |                  |  |
| Tributary Has:             |                       |            |            |             |            |                  |  |
| ☐ Bed and Banks            |                       |            |            |             |            |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:             |            |            |             |            |                  |  |
| ☐ Clear, natural line      | impressed on the bank |            | /egetati   | on matted   | down, b    | ent or absent    |  |
| ✓ Changes in soil cha      | aracter               |            | eaf litte. | r disturbed | d or was   | hed away         |  |
| ☐ Shelving                 |                       | □ F        | resence    | of litter a | nd debri   | S                |  |
| ☐ Sediment deposition      | on                    | <b>✓</b> [ | Destruct   | ion of terr | estrial ve | egetation        |  |
| ✓ Sediment sorting         |                       |            | Abrupt c   | hange in p  | lant com   | ımunity          |  |
| ☐ Scour                    |                       |            | Multiple   | observed    | or predic  | cted flow events |  |
| ☐ Presence of wrack        | line                  | □ <b>\</b> | Vater st   | aining      |            |                  |  |
| Other (list):              |                       |            |            |             |            |                  |  |
| ☐ Discontinuous? Ex        | xplain:               |            |            |             |            |                  |  |
| (iii) Chemical Characteris | stics:                |            |            |             |            |                  |  |
| Characterize Tributa       | ry:                   |            |            |             |            |                  |  |
| Identify Specific Poll     | •                     |            |            |             |            |                  |  |
|                            | ,                     |            |            |             |            |                  |  |
|                            |                       |            |            |             |            |                  |  |
|                            |                       |            |            |             |            |                  |  |
|                            |                       |            |            |             |            |                  |  |

| Feature ID: 20C  |        |
|--|--------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                      |        |
| Riparian Corridor Characteristics:   |        |
| ☐ Wetland Fringe Characteristics:  |        |
| Habitat for:   |        |
| ☐ Federally Listed Species Explain:  |        |
| ☐ Fish/Spawn Areas Explain:  |        |
| ☐ Other environmentally -sensitive species Explain:  |        |
| ☐ Aquatic/Wildlife diversity Explain:  |        |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                   |        |
| (i) Physical Characteristics:  |        |
| Wetland Size (ac): Wetland Type, Explain:  |        |
| Wetland Quality, Explain:  |        |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |        |
| Wetland Flow is: Explain:  |        |
| Surface Flow is: Characteristics:  |        |
| Subsurface Flow: Explain Findings:   |        |
| ☐ Wetland Directly Abutting Non-TNW  |        |
| ☐ Wetland Not Directly Abutting Non-TNW  |        |
| ☐ Discrete wetland hydrologic connection Explain:  |        |
| ☐ Ecological connection Explain:   |        |
| ☐ Separated by berm/barrier Explain:   |        |
| Project Wetlands: River Miles from TNW:  |        |
| Project Wetlands: Aerial Miles from TNW:   |        |
| Flow is From:  |        |
| Approximate Location of Wetland within Floodplain:   |        |
| (ii) Chemical Characteristics:   |        |
| Characterize Wetland System:   |        |
|  |        |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                     |        |
| Riparian Buffer Explain:   |        |
| ☐ Vegetation type/percent cover. Explain:  Habitat for:  |        |
| Federally Listed Species Explain:  |        |
| ☐ Fish/Spawn Areas Explain:  |        |
| ☐ Other environmentally-sensitive species Explain:   |        |
| ☐ Aquatic/Wildlife Diversity Explain:  |        |
|  |        |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                  |        |
| All wetland(s) considered in cumulative analysis:  |        |
| Wetland acres in total being considered in cumulative analysis:  |        |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical func | ions): |
|  |        |
|  |        |

| . SIGNIFICANT NEXUS DETERM  | INATION  |
|---|--|
| 1. Significant nexus findings for into TNW. Explain:  | or non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gi<br>discharges, in combination with<br>downstream manmade impour<br>possibility of a hydrologic con-<br>critical habitats were identified<br>does not provide lifecycle sup-<br>drainage does not have more<br>biological integrity of the TNM | nage is located more than 100 river miles from the nearest TNW, the Gila River lespie Dam. An analysis of peak yearly discharges and potential flood the the geomorphology of the Analysis Area, the presence of a significant indment (Tat Momolikot Dam), and the distance to the TNW, suggests that the nection between this drainage and the TNW is tenuous. No pollutants or diswithin the Analysis Area. Additionally, this unnamed ephemeral drainage port functions, nutrients, or organic carbon to species within the TNW. This than a speculative or insubstantial effect on the physical, chemical, and/or in the Therefore, this unnamed ephemeral drainage does not possess a significant the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings f<br>or indirectly into TNW. Explai   | or non-RPW and its adjacent wetlands, where the non-RPW flows directly n:  |
| 3. Significant nexus findings f Explain:  | or wetlands adjacent to an RPW but that do not directly abut the RPW.  |
|   |  |
| DETERMINATIONS OF JURISD  | ICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| 1. TNWs and Adjacent Wetlar   | nds  |
| Wetlands adjacent to TNV  |  |
| Reserved for Section III D 2 (R   | PWs):  |
| 3. Non-RPWs that flow direct  | ly or indirectly into TNWs.  |
| ☐ Non-TNW/non-RPW water with a TNW, and is therfor Length (Linear Feet):  | body that flows directly or indirectly into a TNW and has a signficant nexus e jurisdictional.  Width (feet): Acres:   |
| Reserved for Section III D 4 (\   | Vetlands directly abutting RPWs):  |
| Reserved for Section III D 5 (\   | Vetlands adjacent to but not directly abutting RPWs):  |
| 6. Wetlands adjacent to non-  | RPWs that flow directly or indirectly into TNWs.   |
| <ul> <li>Wetland adjacent to non-<br/>has a significant nexus wit<br/>Estimated size of jurisdict</li> </ul>  |  |
| 7. Impoundments of jurisdic   |  |
| Demonstration of Jurisdic   |  |
|   |  |
| . ISOLATED WATERS, INCLUDIN<br>VHICH COULD AFFECT INTERST.  | IG ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF ATE COMMERCE  |
|   | -  |
| Supporting rationale:   |  |
| Length (linear feet):   | Acres:   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 20C   |   |
|---|---|
| As described in Section 3C1 possess a significant nexus   | above, an analysis of this ephemeral drainage determined that it did not with the nearest TNW.      |
| Explain finding of Other:   |   |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>  | 1014.31 linear feet (ft), 8.29 width (ft) acres acres   |
| SECTION IV: DATA SOURCES  |   |
|   |   |
| <ul> <li>□ Data Sheets Prepared b</li> <li>□ Corps Navigable Water</li> <li>□ US Geological Survey H</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit</li> </ul> | Study<br>ydrologic Atlas  |
| · · · · · · · · · · · · · · · · · · ·   | ap(s) Scale and Quad Name: ns SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles |
| <ul> <li>□ USDA Nat'l Res Conserv</li> <li>□ National Wetlands Inve</li> <li>□ State/Local Wetland Inv</li> <li>□ FEMA/FIR Maps</li> </ul>                              |   |
| ☐ 100-year Floodplain Ele   | vation is: (National Geodetic Vertical Datum of 1929)   |
| •   | ame and Date): BING, Microsoft Virtual Earth 2008   |
| _   | ame and Date): Ground Photos; May 2012  |
| ☐ Applicable/Supporting (   | s File No. and Date of Response Letter:   |
| ☐ Applicable/Supporting S   |   |
| Other Information, Plea   |   |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION  |                              |
|--|------------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                              |
| B. District Office and File No: Los Angeles District, File No. Pending   |                              |
| C. Project Location and Background Information: Drainage Feature 21  |                              |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Cou  | nties, Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                              |
| Name of nearest waterbody: Unnamed Wash 21   |                              |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie  | Dam                          |
| HUC Code: 15050306   |                              |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                              |
| D. Review Performed for Site Evaluation:   |                              |
| Office Determination. Date:  |                              |
| Field Determination. Date: 05/2012   |                              |
| ·  |                              |
| SECTION II: SUMMARY OF FINDINGS  |                              |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review a   | roa                          |
| ·  | i ea.                        |
| B. CWA Section 404 Determination of Jurisdiction  There Are No  "waters of the U.S." within CWA jurisdiction in the review area.   |                              |
| 1. Waters of the US:   |                              |
|  | roc                          |
| Linear Feet Width (ft) and/or Acr  | les                          |
| Limits of Jurisdiction based off.  |                              |
| <ol> <li>Non-Regulated Waters/Wetlands:</li> <li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determine</li> </ol>  | ed not to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this considered jurisdictional if it possessed a significant nexus with a downstream not possess a significant nexus with the downstream TNW. |                              |
| SECTION III: CWA ANALYSIS  |                              |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                              |
| 1. Identified TNW:   |                              |
| Rationale for TNW determination:   |                              |
| 2. Dationale for any division that any weaklends manage and lied in any lie  |                              |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                              |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                              |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                            |
| Drainage Area (sq mi): 0.00048 River Miles from tributary to T   |                              |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to R  Average Annual Snowfall (in): 0 Aerial Miles from tributary to R  |                              |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to Aerial Miles from tributary to I  |                              |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                              |

Feature ID: 21

| •   |  | •      | ultimately tributary to the Santa Rosa Wash. Topography Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|---|--|--------|--|
| Tributary is: Natural   | Ex   | plain: |  |
| Average Width (ft):   | 6.15   |        |  |
| verage Depth (ft):  | 1  |        |  |
|   |  |        |  |
| Average Side Slopes:<br>Primary tributary sub   | strate com                                       |        |  |
| Average Side Slopes:  Primary tributary sub  Silts Sands  Concrete N                                | strate com  Cok  Juck C                          | obles  |  |
| everage Side Slopes:  Primary tributary sub  ✓ Silts □ Sands  □ Concrete □ N  Tributary Condition/S | strate com  Cot  Cot  Cuck Catability. Ex        | obles  | ock ☑ Gravel ☐ Vegetation  |
| Average Side Slopes:  Primary tributary sub Silts Sands Concrete N  Tributary Condition/S           | strate com  Cot  Cot  Cuck Catability. Ex        | obles  |  |
| Average Side Slopes:  Primary tributary sub  Silts   Sands  | Strate com  Cok  Muck Catability. Ex  e/Pool Con | obles  | ock ☑ Gravel ☐ Vegetation  |

| (c) Flow:                  |                       |              |            |             |            |                  |  |
|----------------------------|-----------------------|--------------|------------|-------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average      | Flow Eve   | ents per ye | ear:       | 2-5              |  |
| Describe Flow Regime:      | Ephemeral             | Other Inf    | ormatio    | n on Dura   | tion and   | Volume:          |  |
| Surface Flow is:           | Confined              | Characte     | ristics:   |             |            |                  |  |
| Subsurface Flow:           | No                    | Explain:     |            |             |            |                  |  |
| Tributary Has:             |                       |              |            |             |            |                  |  |
| ☐ Bed and Banks            |                       |              |            |             |            |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:             |              |            |             |            |                  |  |
| ☐ Clear, natural line i    | impressed on the bank | : □ <b>\</b> | /egetatio  | on matted   | down, b    | ent or absent    |  |
| Changes in soil cha        | racter                |              | eaf litte. | r disturbe  | d or was   | hed away         |  |
| ☐ Shelving                 |                       | □ P          | resence    | of litter a | nd debri   | S                |  |
| Sediment deposition        | on                    | <b>✓</b> [   | Destruct   | ion of terr | estrial ve | egetation        |  |
| ✓ Sediment sorting         |                       |              | Abrupt c   | hange in p  | lant con   | nmunity          |  |
| ☐ Scour                    |                       |              | ∕Iultiple  | observed    | or predi   | cted flow events |  |
| ☐ Presence of wrack        | line                  | □ <b>\</b>   | Vater st   | aining      |            |                  |  |
| Other (list):              |                       |              |            |             |            |                  |  |
| ☐ Discontinuous? Ex        | cplain:               |              |            |             |            |                  |  |
| (iii) Chemical Characteris | tics:                 |              |            |             |            |                  |  |
| Characterize Tributa       | ry:                   |              |            |             |            |                  |  |
| Identify Specific Poll     |                       |              |            |             |            |                  |  |
|                            |                       |              |            |             |            |                  |  |
|                            |                       |              |            |             |            |                  |  |
|                            |                       |              |            |             |            |                  |  |
|                            |                       |              |            |             |            |                  |  |

| iv) Biological Characterist  | tics. Channel supports (check all that apply):   |
|--|--|
| ☐ Riparian Corridor(   | Characteristics:   |
| ☐ Wetland Fringe Ch  | paracteristics:  |
| Habitat for:   |  |
| ☐ Federally Listed Spe   | ecies Explain:   |
| ☐ Fish/Spawn Areas   | Explain:   |
| •  | tally -sensitive species Explain:  |
| ☐ Aquatic/Wildlife div   | versity Explain:   |
|  | and a discount to the Table to the Alexandian attended to the Table  |
| <ol><li>Characteristics of wetla<br/>(i) Physical Characteristics</li></ol>                                  | ands adjacent to non-TNW that flow directly or indirectly into TNW   |
| Wetland Size (ac):   | Wetland Type, Explain:   |
| Wetland Quality, Expla   | ain:   |
| Project Wetlands Cros  | ss or Serve as State Boundaries, Explain:  |
| Wetland Flow is:   | Explain:   |
| Surface Flow is:   | Characteristics:   |
| Subsurface Flow:   | Explain Findings:  |
| ☐ Ecologcal connec<br>☐ Separated by bea<br>Project Wetlands: Rive<br>Project Wetlands: Aer<br>Flow is From: | tly Abutting Non-TNW d hydrologic connection Explain: ction Explain: rm/barrier Explain: er Miles from TNW: rial Miles from TNW: |
| Characterize Wetland   |  |
| (iii) Biological Characterist  | tics. Wetland supports (check all that apply):   |
| Riparian Buffer E  |  |
| •  | percent cover. Explain:  |
| Habitat for:   | ·  |
| ☐ Federally Listed S   | Species Explain:   |
| ☐ Fish/Spawn Area  | as Explain:  |
|  | entally-sensitive species Explain:   |
| ☐ Other environme  |  |
| ☐ Other environme☐ Aquatic/Wildlife  | Diversity Explain:   |
| ☐ Aquatic/Wildlife   | , .  |
| ☐ Aquatic/Wildlife  3. Characteristics of all we   | etlands adjacent to the non-TNW tributary (if any)   |
| <ul><li>Aquatic/Wildlife</li><li>Characteristics of all we All wetland(s) conside</li></ul>                  | , .  |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirinto TNW. Explain: This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the O  | ectly  |
|---|--|
| This unnamed enhanceral drainage is located more than 100 river miles from the nearest TNW the  | ,  |
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants of critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drain does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. | nt<br>that the<br>or<br>nage<br>. This<br>d/or |
| <ol><li>Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows dir<br/>or indirectly into TNW. Explain:</li></ol>  | ectly  |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPN<br>Explain:   | W.   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  |  |
| 3. Non-RPWs that flow directly or indirectly into TNWs.   |  |
| Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant r with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:   | nexus  |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):   |  |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |  |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |  |
| ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent we has a significant nexus with the TNW.   | tlands,  |
| Estimated size of jurisdictional wetland (in acres):  |  |
| 7. Impoundments of jurisdictional waters.   |  |
| Demonstration of Jurisdiction:  |  |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 21                  |                     |                       |           |                   |                 |  |
|---------------------------------|---------------------|-----------------------|-----------|-------------------|-----------------|--|
| As described in Section 3C      |                     | •                     | drainage  | e determined th   | at it did not   |  |
| possess a significant nexus     | s with the nearest  | TNW.                  |           |                   |                 |  |
| Explain finding of Other:       |                     |                       |           |                   |                 |  |
| ✓ Non-wetland waters            | 2156.45 I           | inear feet (ft),      | 6.15 w    | ridth (ft)        |                 |  |
| $\square$ Other waters          | ā                   | acres                 |           |                   |                 |  |
| ☐ Wetlands                      | ā                   | acres                 |           |                   |                 |  |
| SECTION IV: DATA SOURCES        |                     |                       |           |                   |                 |  |
| ✓ Maps, Plans, Plots or P       | lat Submitted by    | Applicant/Consulta    | nt: We    | stl and Resource  | es. Inc.        |  |
| ✓ Data Sheets Prepared/         |                     |                       |           |                   |                 |  |
| ☐ Office Concurs with           |                     | The state of          |           |                   |                 |  |
| ☐ Office Does Not Co            | ncur with delinea   | tion                  |           |                   |                 |  |
| ☐ Data Sheets Prepared          | by the Corps        |                       |           |                   |                 |  |
| ☐ Corps Navigable Water         | r Study             |                       |           |                   |                 |  |
| ☐ US Geological Survey F        | lydrologic Atlas    |                       |           |                   |                 |  |
| USGS NHD Data                   |                     |                       |           |                   |                 |  |
| $\square$ USGS 8 and 12 digi    | it HUC Map          |                       |           |                   |                 |  |
| ✓ US Geological Survey N        | Map(s) Scale and    | Quad Name:            |           |                   |                 |  |
| _                               | ,                   | nelik, and Santa Rosa | Mounta    | ains NW 7.5-Min   | ute Quadrangles |  |
| ☐ USDA Nat'l Res Conser         | vation Service Soi  | l Survey Citation:    |           |                   |                 |  |
| ☐ National Wetlands Inve        |                     | ite Map Name:         |           |                   |                 |  |
| ☐ State/Local Wetland In        |                     | •                     |           |                   |                 |  |
| ☐ FEMA/FIR Maps                 |                     |                       |           |                   |                 |  |
| ☐ 100-year Floodplain El        | evation is:         | (N                    | ational G | Geodetic Vertical | Datum of 1929)  |  |
| Aerial Photographs (I           | Name and Date):     | BING, Microsoft Virt  | ual Earth | h 2008            |                 |  |
| Other Photographs (I            | Name and Date):     | Ground Photos; Ma     | y 2012    |                   |                 |  |
| Previous Determinatio           | ns File No. and     | Date of Response Let  | ter:      |                   |                 |  |
| $\square$ Applicable/Supporting | Case Law Citati     | on:                   |           |                   |                 |  |
| $\square$ Applicable/Supporting | Scientific Literatu | re Citation:          |           |                   |                 |  |
| Other Information, Ple          | ase Specify:        |                       |           |                   |                 |  |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION  |                             |
|--|-----------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                             |
| B. District Office and File No: Los Angeles District, File No. Pending   |                             |
| C. Project Location and Background Information: Drainage Feature 22  |                             |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Coun   | ities, Arizona              |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                             |
| Name of nearest waterbody: Unnamed Wash 22   |                             |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie D  | Dam                         |
| HUC Code: 15050306   |                             |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                             |
| D. Review Performed for Site Evaluation:   |                             |
| Office Determination. Date:  |                             |
| Field Determination. Date: 05/2012   |                             |
|  |                             |
| SECTION II: SUMMARY OF FINDINGS  |                             |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review ar  |                             |
|  | ca.                         |
| B. CWA Section 404 Determination of Jurisdiction   |                             |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.  |                             |
| 1. Waters of the US:   |                             |
| Linear Feet Width (ft) and/or Acro   | es                          |
| Limits of Jurisdiction based on:   |                             |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determine</li></ul>  | d not to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this considered jurisdictional if it possessed a significant nexus with a downstream not possess a significant nexus with the downstream TNW.   | ,                           |
| SECTION III: CWA ANALYSIS  |                             |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                             |
| 1. Identified TNW:   |                             |
| Rationale for TNW determination:   |                             |
| 2. Deticated for constraint that an exception de apparent and lie discountly.  |                             |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                             |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                             |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                           |
| Drainage Area (sq mi): 0.00145 River Miles from tributary to The Area of Area of Private Miles from tributary to The Private Miles from tr |                             |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to R  |                             |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to T  Aerial Miles from tributary to R   |                             |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                             |

Feature ID: 22

| dentify flow route to          |  |   |
|--------------------------------|--|---|
| •                              | •  | e ultimately tributary to the Santa Rosa Wash. Topography is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural          | Explain:   |   |
| Average Width (ft):            | 7.49   |   |
| Average Depth (ft):            | 1  |   |
| Average Side Slopes:           | 2:1  |   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ N | $\square$ Cobbles $\square$ Beconuck Other, Explain: | lrock ☑ Gravel ☐ Vegetation   |
| ributary Condition/S           | Stability. Explain: Stable                           |   |
| Presence of Run/Riffl          | e/Pool Complexes. Explain                            | : Not Present   |
|                                | Relatively Straight                                  |   |
| ributary Geometry:             |  | : 2%  |

| (c) Flow:                  |                       |            |            |             |            |                  |  |
|----------------------------|-----------------------|------------|------------|-------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average    | Flow Eve   | ents per ye | ear:       | 2-5              |  |
| Describe Flow Regime:      | Ephemeral             | Other Inf  | ormatic    | n on Dura   | tion and   | Volume:          |  |
| Surface Flow is:           | Confined              | Characte   | ristics:   |             |            |                  |  |
| Subsurface Flow:           | No                    | Explain:   |            |             |            |                  |  |
| Tributary Has:             |                       |            |            |             |            |                  |  |
| ☐ Bed and Banks            |                       |            |            |             |            |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:             |            |            |             |            |                  |  |
| ☐ Clear, natural line      | impressed on the bank |            | /egetati   | on matted   | down, b    | ent or absent    |  |
| ✓ Changes in soil cha      | aracter               |            | eaf litte. | r disturbed | d or was   | hed away         |  |
| ☐ Shelving                 |                       | □ F        | resence    | of litter a | nd debri   | S                |  |
| ☐ Sediment deposition      | on                    | <b>✓</b> [ | Destruct   | ion of terr | estrial ve | egetation        |  |
| ✓ Sediment sorting         |                       |            | Abrupt c   | hange in p  | lant com   | ımunity          |  |
| ☐ Scour                    |                       |            | Multiple   | observed    | or predic  | cted flow events |  |
| ☐ Presence of wrack        | line                  | □ <b>\</b> | Vater st   | aining      |            |                  |  |
| Other (list):              |                       |            |            |             |            |                  |  |
| ☐ Discontinuous? Ex        | xplain:               |            |            |             |            |                  |  |
| (iii) Chemical Characteris | stics:                |            |            |             |            |                  |  |
| Characterize Tributa       | ry:                   |            |            |             |            |                  |  |
| Identify Specific Poll     | •                     |            |            |             |            |                  |  |
|                            | ,                     |            |            |             |            |                  |  |
|                            |                       |            |            |             |            |                  |  |
|                            |                       |            |            |             |            |                  |  |
|                            |                       |            |            |             |            |                  |  |

| Feature ID: 22   |       |
|--|-------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |       |
| Riparian Corridor Characteristics:   |       |
| ☐ Wetland Fringe Characteristics:  |       |
| Habitat for:   |       |
| ☐ Federally Listed Species Explain:  |       |
| ☐ Fish/Spawn Areas Explain:  |       |
| ☐ Other environmentally -sensitive species   |       |
| ☐ Aquatic/Wildlife diversity Explain:  |       |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                     |       |
| (i) Physical Characteristics:  |       |
| Wetland Size (ac): Wetland Type, Explain:  |       |
| Wetland Quality, Explain:  |       |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |       |
| Wetland Flow is: Explain:  |       |
| Surface Flow is: Characteristics:  |       |
| Subsurface Flow: Explain Findings:   |       |
| ☐ Wetland Directly Abutting Non-TNW  |       |
| ☐ Wetland Not Directly Abutting Non-TNW  |       |
| ☐ Discrete wetland hydrologic connection Explain:  |       |
| ☐ Ecological connection Explain:   |       |
| ☐ Separated by berm/barrier Explain:   |       |
| Project Wetlands: River Miles from TNW:  |       |
| Project Wetlands: Aerial Miles from TNW:   |       |
| Flow is From:  |       |
| Approximate Location of Wetland within Floodplain:   |       |
| (ii) Chemical Characteristics:   |       |
| Characterize Wetland System:   |       |
|  |       |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                       |       |
| Riparian Buffer Explain:   |       |
| ☐ Vegetation type/percent cover. Explain:  Habitat for:  |       |
| Federally Listed Species Explain:  |       |
| ☐ Fish/Spawn Areas Explain:  |       |
| ☐ Other environmentally-sensitive species Explain:   |       |
| Aquatic/Wildlife Diversity Explain:  |       |
|  |       |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                    |       |
| All wetland(s) considered in cumulative analysis:  |       |
| Wetland acres in total being considered in cumulative analysis:  |       |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functi | ons): |
|  |       |
|  |       |

| C. SIGNIFICANT NEXUS DETERMINATION   |   |
|--|---|
| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly into TNW. Explain:  | or indirectly   |
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest TN between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potentic discharges, in combination with the geomorphology of the Analysis Area, the presence of a substitution downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, substitution of a hydrologic connection between this drainage and the TNW is tenuous. No possibility of a hydrologic connection between this drainage and the TNW is tenuous. No possibility of a hydrologic connection between this drainage and the TNW is tenuous. No possibility of a hydrologic dentified within the Analysis Area. Additionally, this unnamed ephemed does not provide lifecycle support functions, nutrients, or organic carbon to species within the drainage does not have more than a speculative or insubstantial effect on the physical, chembiological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possibility of the TNW reach of the Gila River between Powers Butte and Gillespie Dam. | al flood<br>significant<br>suggests that the<br>llutants or<br>eral drainage<br>he TNW. This<br>nical, and/or |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW for indirectly into TNW. Explain:   | lows directly   |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut Explain:   | the RPW.  |
| 1. TNWs and Adjacent Wetlands  |   |
| <ul><li>☐ TNWs: Linear Feet Width (ft), Or,</li><li>☐ Wetlands adjacent to TNWs: Acres</li></ul>   | Acres   |
| Reserved for Section III D 2 (RPWs):   |   |
| <ul><li>3. Non-RPWs that flow directly or indirectly into TNWs.</li><li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a sig with a TNW, and is therfore jurisdictional.</li></ul>   | nficant nexus   |
| Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |   |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |   |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   |   |
| ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other adja has a significant nexus with the TNW.   | cent wetlands,  |
| Estimated size of jurisdictional wetland (in acres):   |   |
| 7. Impoundments of jurisdictional waters.  |   |
| Demonstration of Jurisdiction:   |   |
| E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTR<br>WHICH COULD AFFECT INTERSTATE COMMERCE   | UCTION OF   |
|  |   |
| Supporting rationale: Length (linear feet): Acres:   |   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 22   |  |                          |                    |                 |  |  |  |
|--|--|--------------------------|--------------------|-----------------|--|--|--|
| As described in Section 3C1  |  | •                        | age determined tha | at it did not   |  |  |  |
| possess a significant nexus  | with the nearest II  | NW.                      |                    |                 |  |  |  |
| Explain finding of Other:  |  |                          |                    |                 |  |  |  |
| ✓ Non-wetland waters   | 5411.31 line   | ear feet (ft), 7.49      | width (ft)         |                 |  |  |  |
| ☐ Other waters   | acr  | es                       |                    |                 |  |  |  |
| ☐ Wetlands   | acr  | es                       |                    |                 |  |  |  |
| SECTION IV: DATA SOURCES   |  |                          |                    |                 |  |  |  |
| ✓ Maps, Plans, Plots or Pla  | at Submitted by A  | Applicant/Consultant: W  | /estLand Resource  | s. Inc.         |  |  |  |
| ✓ Data Sheets Prepared/S   |  |                          |                    | -,              |  |  |  |
| Office Concurs with  |  |                          |                    |                 |  |  |  |
| $\square$ Office Does Not Con  | cur with delineatio  | n                        |                    |                 |  |  |  |
| ☐ Data Sheets Prepared b   | ☐ Data Sheets Prepared by the Corps  |                          |                    |                 |  |  |  |
| ☐ Corps Navigable Water  | Study  |                          |                    |                 |  |  |  |
| US Geological Survey Hy  | ☐ US Geological Survey Hydrologic Atlas  |                          |                    |                 |  |  |  |
| USGS NHD Data  | ☐ USGS NHD Data  |                          |                    |                 |  |  |  |
| $\square$ USGS 8 and 12 digit  | HUC Map  |                          |                    |                 |  |  |  |
| ✓ US Geological Survey M   | ap(s) Scale and Q  | uad Name:                |                    |                 |  |  |  |
| Silver Reef Mountai  | ns SE, North Kome  | lik, and Santa Rosa Mour | ntains NW 7.5-Minu | ute Quadrangles |  |  |  |
| ☐ USDA Nat'l Res Conserv   | ation Service Soil S   | urvey Citation:          |                    |                 |  |  |  |
| ☐ National Wetlands Inventory Maps Cite Map Name:                        |  |                          |                    |                 |  |  |  |
| ☐ State/Local Wetland Inventory Maps                                     |  |                          |                    |                 |  |  |  |
| □ FEMA/FIR Maps  |  |                          |                    |                 |  |  |  |
| $\square$ 100-year Floodplain Ele  | ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) |                          |                    |                 |  |  |  |
| ✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 |  |                          |                    |                 |  |  |  |
| Other Photographs (N   | ame and Date): G   | round Photos; May 2012   |                    |                 |  |  |  |
| Previous Determination   | s File No. and Da  | te of Response Letter:   |                    |                 |  |  |  |
| Applicable/Supporting (  |  |                          |                    |                 |  |  |  |
| $\square$ Applicable/Supporting S  |  | Citation:                |                    |                 |  |  |  |
| Other Information, Plea  | se Specify:  |                          |                    |                 |  |  |  |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | 1ATION          |                   |                     |               |                      |
|---|-----------------|-------------------|---------------------|---------------|----------------------|
| A. Report Completion Date for App   | roved Jurisdi   | ctional Determir  | nation: 07/30/      | 2012          |                      |
| B. District Office and File No: Los   |                 |                   |                     |               |                      |
| C. Project Location and Background  | d Information   | : Drainage Fe     | ature 22A           |               |                      |
| City, County, State Sif Oidak Dis   | trict, Tohono   | O'odham Natio     | n, Pima and Pina    | l Counties, A | rizona               |
| Center coordinates of site: Lat. 3  | 32.5073         | Long1             | 111.9100            |               |                      |
| Name of nearest waterbody: Unr  | named Wash      | 22A               |                     |               |                      |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | V: Gila River   | r between Powe    | rs Butte and Gille  | espie Dam     |                      |
| ✓ Map/Diagram of potential juriso   | dictional area  | is available on r | equest              |               |                      |
| D. Review Performed for Site Evalu  | ation:          |                   |                     |               |                      |
| Office Determination. Date:   |                 |                   |                     |               |                      |
| Field Determination. Date: 05/2   | 2012            |                   |                     |               |                      |
| SECTION II: SUMMARY OF FINDING  | GS              |                   |                     |               |                      |
| A. RHA Section 10 Determination   |                 | n                 |                     |               |                      |
| There Are No "navigable waters  |                 |                   | diction in the rev  | iew area.     |                      |
| B. CWA Section 404 Determinatio   | n of Jurisdicti | ion               |                     |               |                      |
| There Are No "waters of the   | ie U.S." withii | n CWA jurisdictio | on in the review a  | area.         |                      |
| 1. Waters of the US:  |                 |                   |                     |               |                      |
| Linear Feet   |                 | Width (ft) and    | l/or                | Acres         |                      |
| Limits of Jurisdiction based on:  |                 |                   |                     |               |                      |
| 2. Non-Regulated Waters/Wetl  | ands:           |                   |                     |               |                      |
| ✓ Potentially jurisdictional wa   |                 | vetlands were as  | ssessed and dete    | rmined not t  | o be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a  | a significant nex | us with a downst    | •             | •                    |
| SECTION III: CWA ANALYSIS   |                 |                   |                     |               |                      |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs      |                   |                     |               |                      |
| 1. Identified TNW:  |                 |                   |                     |               |                      |
| Rationale for TNW determinat  | ion:            |                   |                     |               |                      |
| 2. Rationale for conclusion tha   | t any wetland   | ds present are "a | adjacent":          |               |                      |
| B. CHARACTERISTICS OF NON-TNV   | N TRIBUTARY     | AND ITS ADJAC     | ENT WETLANDS        |               |                      |
| TNW Watershed Size (sq mi):   | 49650           |                   | ies flow to TNW:    |               | 4                    |
| Drainage Area (sq mi):  | 0.00081         |                   | les from tributary  |               | 30 (or more)         |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 8.5<br>0        |                   | les from tributary  |               | 30 (or more)         |
| Average Alliau Silowian (III).  | <u> </u>        |                   | liles from tributar | •             | 55 (61 111016)       |
| ☐ Project waters cross or serv  | e as state bo   |                   | lain:               |               |                      |

Feature ID: 22A

| Feature ID: 22A   |                    |            |              |          |         |          |     |   |
|---|--------------------|------------|--------------|----------|---------|----------|-----|---|
| Identify flow route to                                  | TNW:               |            |              |          |         |          |     |   |
| Unnamed drainages v<br>suggests the most like<br>River. | •                  |            | •            | •        |         |          | •   | · |
| Tributary is: Natural                                   | Explain:           |            |              |          |         |          |     |   |
| Average Width (ft):                                     | 10.52              |            |              |          |         |          |     |   |
| Average Depth (ft):                                     | 1                  |            |              |          |         |          |     |   |
| Average Side Slopes:                                    | 2:1                |            |              |          |         |          |     |   |
| Primary tributary sub                                   | strate composition | (check all | that apply   | :        |         |          |     |   |
| ✓ Silts ☐ Sands   | -                  | ☐ Bedro    |              |          | Veget   | ation    |     |   |
|   |                    |            | CK 🖭 GI      | avei L   | _ veget | 311011   |     |   |
| ☐ Concrete ☐ N  | luck Other, Exp    | plain:     |              |          |         |          |     |   |
| Tributary Condition/S                                   | tability. Explain: | Stable     |              |          |         |          |     |   |
| Presence of Run/Riffle                                  |                    |            | Not Prese    | ent      |         |          |     |   |
| Tributary Geometry:                                     | Relatively Straig  |            |              | <u> </u> |         |          |     |   |
| Tributary Gradient (a)                                  |                    |            | 2%           |          |         |          |     |   |
| ,   |                    | • •        |              |          |         |          |     |   |
|   |                    |            |              |          |         |          |     |   |
|   |                    |            |              |          |         |          |     |   |
|   |                    |            |              |          |         |          |     |   |
|   |                    |            |              |          |         |          |     |   |
|   |                    |            |              |          |         |          |     |   |
| c) Flow:  |                    |            |              |          |         |          |     |   |
| Tributary Provides for:                                 | Ephemeral Flow     | Aver       | age Flow Ev  | ents per | year:   |          | 2-5 |   |
| Describe Flow Regime:                                   | Ephemeral          |            | er Informati | -        |         | d Volume | e:  |   |
| Surface Flow is:  | Confined           | Char       | acteristics: |          |         |          |     |   |
| Subsurface Flow:  | No                 | Fxpla      | ain:         |          |         |          |     |   |

|                            | F  | - 0  |   |                      |  |  |
|----------------------------|--|--|---|----------------------|--|--|
| Describe Flow Regime:      | Ephemeral                                  | Other In   | formation on Dura                       | tion and Volume:     |  |  |
| Surface Flow is:           | Confined                                   | Characte   | eristics:                               |                      |  |  |
| Subsurface Flow:           | No   | Explain:   |   |                      |  |  |
| Tributary Has:             |  |  |   |                      |  |  |
| ☐ Bed and Banks            |  |  |   |                      |  |  |
| ✓ OHWM: OHWM Ind           | dicators:                                  |  |   |                      |  |  |
| ☐ Clear, natural line      | impressed on the bank                      |  | Vegetation matted                       | down, bent or absent |  |  |
| Changes in soil changes    | aracter                                    | □ l  | Leaf litter disturbed                   | d or washed away     |  |  |
| ☐ Shelving                 |  | F  | $\square$ Presence of litter and debris |                      |  |  |
| ☐ Sediment deposition      | Destruction of terrestrial vegetation      |  |   |                      |  |  |
| Sediment sorting           | $\square$ Abrupt change in plant community |  |   |                      |  |  |
| ☐ Scour                    |  | $\square$ Multiple observed or predicted flow events |   |                      |  |  |
| ☐ Presence of wrack        | line                                       | \ <u></u>  | Water staining                          |                      |  |  |
| Other (list):              |  |  |   |                      |  |  |
| ☐ Discontinuous? Ex        | xplain:                                    |  |   |                      |  |  |
| (iii) Chemical Characteris | stics:                                     |  |   |                      |  |  |
| Characterize Tributa       | ry:  |  |   |                      |  |  |
| Identify Specific Poll     | utants, if known:                          |  |   |                      |  |  |
| identity Specific Follo    | atants, ii known.                          |  |   |                      |  |  |
|                            |  |  |   |                      |  |  |
|                            |  |  |   |                      |  |  |
|                            |  |  |   |                      |  |  |

| Feature ID: 22A   |   |  |  |  |  |  |
|---|---|--|--|--|--|--|
| (iv) Biological Characteristi                                   | cs. Channel supports (check all that apply):  |  |  |  |  |  |
| Riparian Corridor C   | haracteristics:   |  |  |  |  |  |
| ☐ Wetland Fringe Cha  | racteristics:   |  |  |  |  |  |
| Habitat for:  |   |  |  |  |  |  |
| ☐ Federally Listed Spec   | cies Explain:   |  |  |  |  |  |
| ☐ Fish/Spawn Areas  | Explain:  |  |  |  |  |  |
|   | Illy -sensitive species Explain:  |  |  |  |  |  |
| ☐ Aquatic/Wildlife dive   | ersity Explain:   |  |  |  |  |  |
| 2. Characteristics of wetlan                                    | nds adjacent to non-TNW that flow directly or indirectly into TNW                               |  |  |  |  |  |
| (i) Physical Characteristics:                                   |   |  |  |  |  |  |
| Wetland Size (ac):  | Wetland Type, Explain:  |  |  |  |  |  |
| Wetland Quality, Expla  | in:   |  |  |  |  |  |
| _   | s or Serve as State Boundaries, Explain:  |  |  |  |  |  |
| Wetland Flow is:  | Explain:  |  |  |  |  |  |
| Surface Flow is:  | Characteristics:  |  |  |  |  |  |
| Subsurface Flow:  | Explain Findings:   |  |  |  |  |  |
| ☐ Wetland Directly Ab   |   |  |  |  |  |  |
| ☐ Wetland Not Directl   |   |  |  |  |  |  |
|   | hydrologic connection Explain:  |  |  |  |  |  |
| ☐ Ecologcal connect   |   |  |  |  |  |  |
| ☐ Separated by berm/barrier Explain:                            |   |  |  |  |  |  |
| Project Wetlands: Rive<br>Project Wetlands: Aeria               |   |  |  |  |  |  |
| Flow is From:   | at ivilles from triviv.   |  |  |  |  |  |
|   | Approximate Location of Wetland within Floodplain:  |  |  |  |  |  |
|   | ·   |  |  |  |  |  |
| (ii) Chemical Characteristics                                   |   |  |  |  |  |  |
| Characterize Wetland S  |   |  |  |  |  |  |
| (iii) Biological Characteristi                                  | cs. Wetland supports (check all that apply):  |  |  |  |  |  |
| ☐ Riparian Buffer Ex  | ·   |  |  |  |  |  |
| ☐ Vegetation type/pe<br>Habitat for:                            | ercent cover. Explain:  |  |  |  |  |  |
| ☐ Federally Listed S  | pecies Explain:   |  |  |  |  |  |
| ☐ Fish/Spawn Areas  |   |  |  |  |  |  |
| Other environmentally-sensitive species Explain:                |   |  |  |  |  |  |
| ☐ Aquatic/Wildlife [  | Diversity Explain:  |  |  |  |  |  |
| 3. Characteristics of all we                                    | tlands adjacent to the non-TNW tributary (if any)   |  |  |  |  |  |
| All wetland(s) consider   | ed in cumulative analysis:  |  |  |  |  |  |
| Wetland acres in total being considered in cumulative analysis: |   |  |  |  |  |  |
| Describe each wetland   | (directly abuts tributary?; size in acres; overall biological, chemical or physical functions): |  |  |  |  |  |
|   |   |  |  |  |  |  |
|   |   |  |  |  |  |  |

| . SIGNIFICANT NEXUS DETERMINATION  |   |
|--|---|
| 1. Significant nexus findings for non-RPW that has into TNW. Explain:  | no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gillespie Dam. An analy discharges, in combination with the geomorphology downstream manmade impoundment (Tat Momoli possibility of a hydrologic connection between this critical habitats were identified within the Analysis does not provide lifecycle support functions, nutrie drainage does not have more than a speculative or   | y of the Analysis Area, the presence of a significant kot Dam), and the distance to the TNW, suggests that the drainage and the TNW is tenuous. No pollutants or Area. Additionally, this unnamed ephemeral drainage nts, or organic carbon to species within the TNW. This insubstantial effect on the physical, chemical, and/or amed ephemeral drainage does not possess a significant |
| 2. Significant nexus findings for non-RPW and its a or indirectly into TNW. Explain:   | djacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for wetlands adjacent Explain:   | to an RPW but that do not directly abut the RPW.  |
| D. DETERMINATIONS OF JURISDICTIONAL FINDINGS.  | THE SUBJECT WATERS (WET) ANDS ARE   |
| 1. TNWs and Adjacent Wetlands  | THE SOBJECT WATERS, WETLANDS ARE  |
| ☐ TNWs: Linear Feet  | Width (ft), Or, Acres   |
| Wetlands adjacent to TNWs: Acres   |   |
|  |   |
|  |   |
| Reserved for Section III D 2 (RPWs):   | 'NWs.   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into T  | NWs.  ctly or indirectly into a TNW and has a signficant nexus  |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into T  Non-TNW/non-RPW waterbody that flows directly   | ctly or indirectly into a TNW and has a signficant nexus  |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into T  Non-TNW/non-RPW waterbody that flows directly with a TNW, and is therfore jurisdictional.   | etly or indirectly into a TNW and has a signficant nexus et):  Acres:   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into T  Non-TNW/non-RPW waterbody that flows directly with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet)   | etly or indirectly into a TNW and has a signficant nexus et):  Acres:  tting RPWs):   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into T  Non-TNW/non-RPW waterbody that flows directly with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet Reserved for Section III D 4 (Wetlands directly abuse)   | etly or indirectly into a TNW and has a signficant nexus et):  Acres:  tting RPWs):  but not directly abutting RPWs):   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into T  Non-TNW/non-RPW waterbody that flows directly with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet Reserved for Section III D 4 (Wetlands directly abuse Reserved for Section III D 5 (Wetlands adjacent to 6. Wetlands adjacent to non-RPWs that flow directly directly adjacent to non-RPWs that flow directly directly adjacent to non-RPWs that flow directly directly directly adjacent to non-RPWs that flow directly direc | etly or indirectly into a TNW and has a signficant nexus et):  Acres:  tting RPWs):  but not directly abutting RPWs):   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into T  Non-TNW/non-RPW waterbody that flows directly with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet Reserved for Section III D 4 (Wetlands directly abuse Reserved for Section III D 5 (Wetlands adjacent to 6. Wetlands adjacent to non-RPWs that flow directly wetland adjacent to non-RPWs which, in comb   | etly or indirectly into a TNW and has a signficant nexus  et):  Acres:  tting RPWs):  but not directly abutting RPWs):  ctly or indirectly into TNWs.  bination with the tributary and other adjacent wetlands,   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into T  Non-TNW/non-RPW waterbody that flows directly with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet Reserved for Section III D 4 (Wetlands directly abuse Reserved for Section III D 5 (Wetlands adjacent to 6. Wetlands adjacent to non-RPWs that flow directly wetland adjacent to non-RPWs which, in combination has a significant nexus with the TNW.  | etly or indirectly into a TNW and has a signficant nexus  et):  Acres:  tting RPWs):  but not directly abutting RPWs):  ctly or indirectly into TNWs.  bination with the tributary and other adjacent wetlands,   |

Supporting rationale:
Length (linear feet): Acres:

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 22A  |                    |                     |            |                |                |           |  |
|--|--------------------|---------------------|------------|----------------|----------------|-----------|--|
| As described in Section 30 possess a significant nexus | •                  |                     | eral drair | nage determin  | ed that it did | not       |  |
| Explain finding of Other:                              |                    |                     |            |                |                |           |  |
| ✓ Non-wetland waters                                   | 2142.65            | linear feet (ft),   | 10.5       | 2 width (ft)   |                |           |  |
| Other waters   |                    | acres               |            |                |                |           |  |
| ☐ Wetlands   |                    | acres               |            |                |                |           |  |
| SECTION IV: DATA SOURCES                               |                    |                     |            |                |                |           |  |
| ✓ Maps, Plans, Plots or P                              | lat Submitted by   | Applicant/Cons      | ultant: \  | WestLand Reso  | ources, Inc.   |           |  |
| ✓ Data Sheets Prepared/                                |                    | half of Applicant   |            |                |                |           |  |
| Office Concurs with                                    |                    |                     |            |                |                |           |  |
| ☐ Office Does Not Co                                   |                    | ation               |            |                |                |           |  |
| ☐ Data Sheets Prepared                                 | •                  |                     |            |                |                |           |  |
| ☐ Corps Navigable Wate                                 | •                  |                     |            |                |                |           |  |
| US Geological Survey F □ USGS NHD Data                 | Tydrologic Atlas   |                     |            |                |                |           |  |
|  |                    |                     |            |                |                |           |  |
| USGS 8 and 12 dig                                      | т нос мар          |                     |            |                |                |           |  |
| US Geological Survey I                                 | •                  |                     |            |                |                |           |  |
| Silver Reef Mounta                                     | ains SE, North Ko  | melik, and Santa F  | Rosa Mou   | ntains NW 7.5  | -Minute Qua    | adrangles |  |
| ☐ USDA Nat'l Res Conser                                | vation Service Sc  | oil Survey Citation | n:         |                |                |           |  |
| $\square$ National Wetlands Inv                        | entory Maps        | Cite Map Name:      |            |                |                |           |  |
| ☐ State/Local Wetland Ir                               | iventory Maps      |                     |            |                |                |           |  |
| ☐ FEMA/FIR Maps  |                    |                     |            |                |                |           |  |
| 100-year Floodplain El                                 |                    |                     | •          | al Geodetic Ve | rtical Datum   | of 1929)  |  |
| ✓ Aerial Photographs (                                 |                    |                     |            |                |                |           |  |
| ✓ Other Photographs (                                  | ·                  |                     |            | 2              |                |           |  |
| Previous Determination                                 |                    |                     | Letter:    |                |                |           |  |
| ☐ Applicable/Supporting                                |                    |                     |            |                |                |           |  |
| $\sqcup$ Applicable/Supporting                         | Scientific Literat | ure Citation:       |            |                |                |           |  |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM   | <u>MATION</u>     |   |             |                       |
|--|-------------------|---|-------------|-----------------------|
| A. Report Completion Date for App  | oroved Jurisdic   | ctional Determination: 07/30/2  | 012         |                       |
| B. District Office and File No: Los  |                   |   |             |                       |
| C. Project Location and Background   | d Information:    | Drainage Feature 22B  |             |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono    | O'odham Nation, Pima and Pinal  | Counties, A | Arizona               |
| Center coordinates of site: Lat.   | 32.5073           | Long111.9100  |             |                       |
| Name of nearest waterbody: Un  | named Wash 2      | 22B   |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | W: Gila River     | between Powers Butte and Gilles   | spie Dam    |                       |
| ✓ Map/Diagram of potential juris   | dictional area    | is available on request   |             |                       |
|  |                   | is available of request   |             |                       |
| D. Review Performed for Site Evalu   | iation:           |   |             |                       |
| Office Determination. Date:  |                   |   |             |                       |
| Field Determination. Date: 05/2  | 2012              |   |             |                       |
| SECTION II: SUMMARY OF FINDING   | <u>GS</u>         |   |             |                       |
| A. RHA Section 10 Determination  | of Jurisdiction   | ١   |             |                       |
| There Are No "navigable waters   | s of the U.S." v  | within RHA jurisdiction in the revie  | ew area.    |                       |
| B. CWA Section 404 Determination   | n of Jurisdiction | on  |             |                       |
| There Are No "waters of the  | ne U.S." within   | CWA jurisdiction in the review a  | rea.        |                       |
| 1. Waters of the US:   |                   |   |             |                       |
| Linear Feet  |                   | Width (ft) and/or   | Acres       |                       |
| Limits of Jurisdiction based on:   |                   |   |             |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional was</li> </ol> |                   | retlands were assessed and deter  | mined not   | to be jurisdictional: |
|  | it possessed a    | lify as a TNW or RPW. Therefore, a significant nexus with a downstrodownstream TNW. |             | •                     |
| SECTION III: CWA ANALYSIS  |                   |   |             |                       |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs       |   |             |                       |
| 1. Identified TNW:   |                   |   |             |                       |
| Rationale for TNW determinat   | tion:             |   |             |                       |
|  |                   |   |             |                       |
| 2. Rationale for conclusion tha  | it any wetland    | s present are "adjacent":   |             |                       |
| B. CHARACTERISTICS OF NON-TN   | W TRIBUTARY       | AND ITS ADJACENT WETLANDS   |             |                       |
| TNW Watershed Size (sq mi):  | 49650             | Tributaries flow to TNW:  |             | 4                     |
| Drainage Area (sq mi):   | 0.00015           | River Miles from tributary  |             | 30 (or more)          |
| Average Annual Rainfall (in):  | 8.5               | River Miles from tributary  |             |                       |
| Average Annual Snowfall (in):  | 0                 | Aerial Miles from tributary<br>Aerial Miles from tributary                          |             | 30 (or more)          |
| ☐ Project waters cross or serv   | ve as state bou   |   | ,           |                       |

Feature ID: 22B

|                           |         | route or poter   | tial flow is | Santa Rosa | Wash to | the Santa | Cruz Wash | to the Gila |
|---------------------------|---------|------------------|--------------|------------|---------|-----------|-----------|-------------|
| River.<br>Tributary is: N | latural | Explain:         |              |            |         |           |           |             |
| Average Widt              |         |                  |              |            |         |           |           |             |
| Average Dept              | ` '     |                  |              |            |         |           |           |             |
| Average Side              |         | 1                |              |            |         |           |           |             |
| ☐ Concrete  Tributary Con | ☐ Muc   | ,                | xplain:      |            |         | Vegetat   |           |             |
| •                         |         | ool Complexes    |              | Not Pre    | sent    |           |           |             |
| Tributary Geo             |         | Relatively Strai | •            |            | JC1110  |           |           |             |
| •                         |         | oximate avera    |              | 2%         |         |           |           |             |
| ,                         |         |                  |              |            |         |           |           |             |

| (c) Flow:                  |                       |             |            |             |           |                   |  |
|----------------------------|-----------------------|-------------|------------|-------------|-----------|-------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average F   | low Eve    | nts per y   | ear:      | 2-5               |  |
| Describe Flow Regime:      | Ephemeral             | Other Info  | ormation   | on Dura     | ation and | d Volume:         |  |
| Surface Flow is:           | Confined              | Character   | istics:    |             |           |                   |  |
| Subsurface Flow:           | No                    | Explain:    |            |             |           |                   |  |
| Tributary Has:             |                       |             |            |             |           |                   |  |
| D Bed and Banks            |                       |             |            |             |           |                   |  |
| ✓ OHWM: OHWM Inc           | dicators:             |             |            |             |           |                   |  |
|                            | impressed on the bank | □ V         | egetatio   | n matted    | down.     | bent or absent    |  |
| ✓ Changes in soil cha      | •                     |             | -          |             |           | shed away         |  |
| ☐ Shelving                 |                       |             |            | of litter a |           | •                 |  |
| ☐ Sediment deposition      | on                    | <b>✓</b> D  | estructio  | on of terr  | estrial v | egetation         |  |
| ✓ Sediment sorting         |                       | □ AI        | brupt ch   | ange in p   | olant cor | nmunity           |  |
| Scour                      |                       | $\square$ M | lultiple o | bserved     | or pred   | icted flow events |  |
| ☐ Presence of wrack        | line                  | $\square$ W | /ater sta  | ining       |           |                   |  |
| Other (list):              |                       |             |            |             |           |                   |  |
| ☐ Discontinuous? Ex        | rplain:               |             |            |             |           |                   |  |
| /···\ al                   |                       |             |            |             |           |                   |  |
| (iii) Chemical Characteris |                       |             |            |             |           |                   |  |
| Characterize Tributa       | •                     |             |            |             |           |                   |  |
| Identify Specific Poll     | utants, if known:     |             |            |             |           |                   |  |
|                            |                       |             |            |             |           |                   |  |
|                            |                       |             |            |             |           |                   |  |
|                            |                       |             |            |             |           |                   |  |
|                            |                       |             |            |             |           |                   |  |

| iv) Biological Characterist   | tics. Channel supports (check all that apply):                        |
|---|---|
| ☐ Riparian Corridor(  | Characteristics:  |
| ☐ Wetland Fringe Ch   | paracteristics:   |
| Habitat for:  |   |
| ☐ Federally Listed Spe  | ecies Explain:  |
| ☐ Fish/Spawn Areas  | Explain:  |
| •   | tally -sensitive species Explain:                                     |
| ☐ Aquatic/Wildlife div  | versity Explain:  |
| 2. Chanastaniatica aftl.  | and a discount to the Table to the Alexandian sales are in discount.  |
| <ol><li>Characteristics of Wetla<br/>(i) Physical Characteristics</li></ol>                 | ands adjacent to non-TNW that flow directly or indirectly into TNW    |
| Wetland Size (ac):  | Wetland Type, Explain:  |
| Wetland Quality, Expla  | ain:  |
| Project Wetlands Cros   | ss or Serve as State Boundaries, Explain:                             |
| Wetland Flow is:  | Explain:  |
| Surface Flow is:  | Characteristics:  |
| Subsurface Flow:  | Explain Findings:   |
| <ul><li>☐ Wetland Directly Al</li><li>☐ Wetland Not Direct</li></ul>                        |   |
|   | d hydrologic connection Explain:                                      |
| ☐ Ecologcal connec  |   |
| ☐ Separated by be   | rm/barrier Explain:   |
| Project Wetlands: Rive  | er Miles from TNW:  |
| Project Wetlands: Aer   | ial Miles from TNW:   |
| Flow is From:   |   |
| Approximate Location  | of Wetland within Floodplain:   |
| ii) Chemical Characteristic   | CS:   |
| Characterize Wetland  |   |
|   |   |
|   | tics. Wetland supports (check all that apply):                        |
| Riparian Buffer E   | ·   |
|   | percent cover. Explain:   |
| Habitat for:  |   |
| ☐ Federally Listed S  |   |
| ☐ Fish/Spawn Area   | ·   |
|   | ,   |
| Other environme   | Discounting Familia.  |
| ☐ Other environme☐ Aquatic/Wildlife   | Diversity Explain:  |
| ☐ Aquatic/Wildlife  | Diversity Explain: etlands adjacent to the non-TNW tributary (if any) |
| ☐ Aquatic/Wildlife  3. Characteristics of all we  | , .   |
| <ul><li>Aquatic/Wildlife</li><li>Characteristics of all we All wetland(s) conside</li></ul> | etlands adjacent to the non-TNW tributary (if any)                    |

| . SIGNIFICANT NEXUS DET  | ERMINATION   |
|--|--|
| 1. Significant nexus findi into TNW. Explain:  | ngs for non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and discharges, in combination downstream manmade in possibility of a hydrologic critical habitats were identical does not provide lifecycle drainage does not have no biological integrity of the  | drainage is located more than 100 river miles from the nearest TNW, the Gila River and Gillespie Dam. An analysis of peak yearly discharges and potential flood on with the geomorphology of the Analysis Area, the presence of a significant impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the connection between this drainage and the TNW is tenuous. No pollutants or intified within the Analysis Area. Additionally, this unnamed ephemeral drainage is support functions, nutrients, or organic carbon to species within the TNW. This more than a speculative or insubstantial effect on the physical, chemical, and/or TNW. Therefore, this unnamed ephemeral drainage does not possess a significant h of the Gila River between Powers Butte and Gillespie Dam.   |
| 2. Significant nexus findi or indirectly into TNW. E   | ngs for non-RPW and its adjacent wetlands, where the non-RPW flows directly xplain:  |
| 3. Significant nexus findi   | ngs for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| Explain:   | DISDICTIONAL FINDINGS THE SUBJECT WATERS/WETLANDS ARE  |
| 1. TNWs and Adjacent W  TNWs:  | Linear Feet Width (ft), Or, Acres  |
| DETERMINATIONS OF JU  1. TNWs and Adjacent W  TNWs:  Wetlands adjacent to  | Zetlands  Linear Feet Width (ft), Or, Acres  TNWs: Acres   |
| D. DETERMINATIONS OF JU  1. TNWs and Adjacent W  TNWs:  Wetlands adjacent to Reserved for Section III D  | Zetlands  Linear Feet Width (ft), Or, Acres  D TNWs: Acres  2 (RPWs):  |
| D. DETERMINATIONS OF JU  1. TNWs and Adjacent W  TNWs:  Wetlands adjacent to Reserved for Section III D  3. Non-RPWs that flow d   | Linear Feet Width (ft), Or, Acres TNWs: Acres 2 (RPWs):  Continuous Acres Acre |
| DETERMINATIONS OF JU  1. TNWs and Adjacent W  TNWs:  Wetlands adjacent to Reserved for Section III D  3. Non-RPWs that flow of Non-TNW/non-RPW v   | Linear Feet Width (ft), Or, Acres TNWs: Acres 2 (RPWs):  Continuous Acres Acre |
| DETERMINATIONS OF JU  1. TNWs and Adjacent W  TNWs:  Wetlands adjacent to Reserved for Section III D  3. Non-RPWs that flow of With a TNW, and is the Length (Linear Feet):  | Linear Feet Width (ft), Or, Acres  TNWs: Acres  2 (RPWs):  Directly or indirectly into TNWs.  Waterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.   |
| DETERMINATIONS OF JU  1. TNWs and Adjacent W  TNWs:  Wetlands adjacent to Reserved for Section III D  3. Non-RPWs that flow of Non-TNW/non-RPW with a TNW, and is th Length (Linear Feet): Reserved for Section III I  | Linear Feet Width (ft), Or, Acres  TNWs: Acres  2 (RPWs):  Continuous Acres  Width (feet): Acres:  |
| DETERMINATIONS OF JU  1. TNWs and Adjacent W  TNWs:  Wetlands adjacent to Reserved for Section III D  3. Non-RPWs that flow of Non-TNW/non-RPW with a TNW, and is th Length (Linear Feet): Reserved for Section III II Reserved for Section III II Reserved for Section III II   | Linear Feet Width (ft), Or, Acres  TNWs: Acres  2 (RPWs):  Continued a continuent of the continuent of |
| DETERMINATIONS OF JU  1. TNWs and Adjacent W  TNWs:  Wetlands adjacent to Reserved for Section III D  3. Non-RPWs that flow of With a TNW, and is the Length (Linear Feet):  Reserved for Section III II II Reserved for Section III II II Reserved for Section III II II II Reserved for Section III II I | Linear Feet Width (ft), Or, Acres TNWs: Acres 2 (RPWs):  Continuent Feet Width (ft), Or, Acres Continuent Fe |
| DETERMINATIONS OF JU  1. TNWs and Adjacent W  TNWs:  Wetlands adjacent to Reserved for Section III D  3. Non-RPWs that flow of With a TNW, and is the Length (Linear Feet):  Reserved for Section III II II Reserved for Section III II II Reserved for Section III II II II Reserved for Section III II I | Linear Feet Width (ft), Or, Acres TNWs: Acres 2 (RPWs):  Lirectly or indirectly into TNWs.  Waterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  Inon-RPWs that flow directly or indirectly into TNWs.  Inon-RPWs which, in combination with the tributary and other adjacent wetlands, as with the TNW.  Is sdictional wetland (in acres):   |

Non-Jurisdictional Waters:

Supporting rationale: Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 22B   |   |
|---|---|
|   | on 3C1 above, an analysis of this ephemeral drainage determined that it did not nexus with the nearest TNW. |
| Explain finding of Oth  | ner:  |
| <ul><li>✓ Non-wetland wate</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>  | ers 604.38 linear feet (ft), 6.95 width (ft) acres acres  |
| SECTION IV: DATA SOUR   | CES   |
| Data Sheets Prepared Office Concurs Office Does Note Data Sheets Prepared Corps Navigable Note US Geological Sur USGS NHD Data USGS 8 and 1 | Vater Study<br>vey Hydrologic Atlas   |
| ☐ USDA Nat'l Res Co☐ National Wetland   | onservation Service Soil Survey Citation: s Inventory Maps Cite Map Name: and Inventory Maps                |
|   | (Name and Date): BING, Microsoft Virtual Earth 2008   |
| _   | ns (Name and Date): Ground Photos; May 2012   |
| <ul><li>☐ Previous Determi</li><li>☐ Applicable/Suppo</li></ul>   | nations File No. and Date of Response Letter:   |
|   | rting Case Law Citation:  |

Other Information, Please Specify:

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>   |                   |   |                |                      |
|--|-----------------|-------------------|---|----------------|----------------------|
| A. Report Completion Date for App  | roved Jurisdic  | ctional Determi   | nation: 07/30                           | )/2012         |                      |
| B. District Office and File No: Los  |                 |                   | -                                       |                |                      |
| C. Project Location and Background   | Information     | : Drainage Fe     | ature 22C                               |                |                      |
| City, County, State Sif Oidak Dis  | trict, Tohono   | O'odham Natio     | on, Pima and Pin                        | al Counties, A | rizona               |
| Center coordinates of site: Lat. 3   | 32.5073         | Long1             | 111.9100                                |                |                      |
| Name of nearest waterbody: Unr   | named Wash      | 22C               |   |                |                      |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | V: Gila River   | between Powe      | ers Butte and Gil                       | lespie Dam     |                      |
| ✓ Map/Diagram of potential juriso  | dictional area  | is available on i | request                                 |                |                      |
| D. Review Performed for Site Evalu   | ation:          |                   |   |                |                      |
| Office Determination. Date:  |                 |                   |   |                |                      |
| Field Determination. Date: 05/2  | 2012            |                   |   |                |                      |
| SECTION II: SUMMARY OF FINDING   | <u>3S</u>       |                   |   |                |                      |
| A. RHA Section 10 Determination  | of Jurisdiction | า                 |   |                |                      |
| There Are No "navigable waters   | of the U.S." v  | within RHA juris  | diction in the re                       | view area.     |                      |
| B. CWA Section 404 Determinatio  | n of Jurisdicti | on                |   |                |                      |
| There Are No "waters of th   | e U.S." withir  | n CWA jurisdicti  | on in the review                        | area.          |                      |
| 1. Waters of the US:   |                 |                   |   |                |                      |
| Linear Feet  |                 | Width (ft) and    | d/or                                    | Acres          |                      |
| Limits of Jurisdiction based on:   |                 |                   |   |                |                      |
| <ol> <li>Non-Regulated Waters/Wetl</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                 | vetlands were a   | ssessed and det                         | ermined not t  | o be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne    | it possessed a  | significant nex   | us with a downs                         |                | •                    |
| SECTION III: CWA ANALYSIS  |                 |                   |   |                |                      |
| A. TNWs AND WETLANDS ADJACE  | NT TO TNWs      |                   |   |                |                      |
| 1. Identified TNW:   |                 |                   |   |                |                      |
| Rationale for TNW determinat   | ion:            |                   |   |                |                      |
| 2. Rationale for conclusion tha  | t any wetland   | ls present are "a | adjacent":                              |                |                      |
| B. CHARACTERISTICS OF NON-TNV  | W TRIBUTARY     | AND ITS ADJAC     | ENT WETLANDS                            | ;              |                      |
| TNW Watershed Size (sq mi):  | 49650           |                   | ries flow to TNW                        |                | 4                    |
| Drainage Area (sq mi):   | 0.00029         |                   | iles from tributa                       | •              | 30 (or more)         |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                            | 8.5             |                   | iles from tributa<br>Iiles from tributa | •              | 30 (or more)         |
| Average Annual Showldh (M):  | 0               |                   | files from tributa                      | •              | 30 (or more)         |
| ☐ Project waters cross or serv   | e as state bou  |                   | olain:                                  | ,              |                      |

Feature ID: 22C

| Average Width (ft): 6.70 Average Depth (ft): 1 Average Side Slopes: 2:1  Primary tributary substrate composition (check all that apply):  Silts Sands Cobbles Bedrock Gravel Vegetation  Concrete Muck Other, Explain:  Tributary Condition/Stability. Explain: Stable  Presence of Run/Riffle/Pool Complexes. Explain: Not Present | _   | ithin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography y route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|---|---|---|
| Average Depth (ft): 1 Average Side Slopes: 2:1  Primary tributary substrate composition (check all that apply):  Silts  | Tributary is: Natural   | Explain:  |
| Average Side Slopes: 2:1  Primary tributary substrate composition (check all that apply):  Silts  | Average Width (ft):   | 5.70  |
| Primary tributary substrate composition (check all that apply):  ✓ Silts  | Average Depth (ft):   |   |
| ✓ Silts  Sands  Cobbles  Bedrock  Gravel  Vegetation  Concrete  Muck Other, Explain:  Tributary Condition/Stability. Explain:  Stable  Presence of Run/Riffle/Pool Complexes. Explain:  Not Present  Tributary Geometry:  Relatively Straight   | Average Side Slopes:  | 2:1   |
| Tributary Geometry: Relatively Straight   |   |   |
|   | ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/St  | ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  uck Other, Explain:  ability. Explain: Stable  |
| Fributary Gradient (approximate average slope): 2%  | ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/St  Presence of Run/Riffle                      | □ Cobbles □ Bedrock ☑ Gravel □ Vegetation  uck Other, Explain:  ability. Explain: Stable  /Pool Complexes. Explain: Not Present                                     |
|   | ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/St  Presence of Run/Riffle  Tributary Geometry: | □ Cobbles □ Bedrock ☑ Gravel □ Vegetation  uck Other, Explain:  ability. Explain: Stable  /Pool Complexes. Explain: Not Present  Relatively Straight                |

| (c) Flow:                       |                      |              |            |             |           |                   |  |
|---------------------------------|----------------------|--------------|------------|-------------|-----------|-------------------|--|
| Tributary Provides for:         | Ephemeral Flow       | Average      | Flow Eve   | nts per ye  | ear:      | 2-5               |  |
| Describe Flow Regime:           | Ephemeral            | Other Inf    | formation  | n on Dura   | tion and  | d Volume:         |  |
| Surface Flow is:                | Confined             | Characte     | ristics:   |             |           |                   |  |
| Subsurface Flow:                | No                   | Explain:     |            |             |           |                   |  |
| Tributary Has:                  |                      |              |            |             |           |                   |  |
| ☐ Bed and Banks                 |                      |              |            |             |           |                   |  |
| ✓ OHWM: OHWM Inc                | licators:            |              |            |             |           |                   |  |
| $\square$ Clear, natural line i | mpressed on the bank | : □ <b>\</b> | /egetatio  | n matted    | down,     | bent or absent    |  |
| Changes in soil cha             | racter               |              | eaf litter | disturbed   | d or was  | shed away         |  |
| ☐ Shelving                      |                      | □ F          | resence    | of litter a | nd debr   | ris               |  |
| ☐ Sediment deposition           | on                   | ✓ [          | Destructio | on of terr  | estrial v | egetation         |  |
| Sediment sorting                |                      |              | Abrupt ch  | ange in p   | lant cor  | nmunity           |  |
| ☐ Scour                         |                      |              | Multiple o | bserved     | or pred   | icted flow events |  |
| $\square$ Presence of wrack     | line                 |              | Nater sta  | ining       |           |                   |  |
| Other (list):                   |                      |              |            |             |           |                   |  |
| ☐ Discontinuous? Ex             | plain:               |              |            |             |           |                   |  |
| (iii) Chemical Characteris      | tics:                |              |            |             |           |                   |  |
| Characterize Tributar           |                      |              |            |             |           |                   |  |
| Identify Specific Pollu         |                      |              |            |             |           |                   |  |
| dentity specific Polit          | itants, ii known:    |              |            |             |           |                   |  |
|                                 |                      |              |            |             |           |                   |  |
|                                 |                      |              |            |             |           |                   |  |
|                                 |                      |              |            |             |           |                   |  |
|                                 |                      |              |            |             |           |                   |  |

| Feature ID: 22C                                |   |
|--|---|
| iv) Biological Characteristics. Channel supp   | orts (check all that apply):                      |
| Riparian Corridor Characteristics:             |   |
| ☐ Wetland Fringe Characteristics:              |   |
| Habitat for:                                   |   |
| ☐ Federally Listed Species Explain:            |   |
| Fish/Spawn Areas Explain:                      |   |
| Other environmentally -sensitive spe           | cies Explain:                                     |
| ☐ Aquatic/Wildlife diversity Explain:          |   |
| Charactaristics of wetlands adjacent to        | TANA! that flow divestly or indivestly into TANA! |
| i) Physical Characteristics:                   | non-TNW that flow directly or indirectly into TNW |
| Wetland Size (ac):                             | Wetland Type, Explain:                            |
| Wetland Quality, Explain:                      |   |
| Project Wetlands Cross or Serve as State       | e Boundaries, Explain:                            |
| Wetland Flow is:                               | Explain:  |
| Surface Flow is:                               | haracteristics:                                   |
| Subsurface Flow:                               | xplain Findings:                                  |
| $\square$ Wetland Directly Abutting Non-TNW    |   |
| ☐ Wetland Not Directly Abutting Non-T          |   |
| ☐ Discrete wetland hydrologic conne            | ection Explain:                                   |
| ☐ Ecologcal connection Explain:                |   |
| $\square$ Separated by berm/barrier Explain    | n:  |
| Project Wetlands: River Miles from TNV         | V:  |
| Project Wetlands: Aerial Miles from TN\        | W:  |
| Flow is From:                                  |   |
| Approximate Location of Wetland withi          | n Floodplain:                                     |
| ii) Chemical Characteristics:                  |   |
| Characterize Wetland System:                   |   |
| ·  |   |
| (iii) Biological Characteristics. Wetland supp | эогтз (спеск ан тпат арріу):                      |
| Riparian Buffer Explain:                       |   |
| ☐ Vegetation type/percent cover. Exp           | lain:   |
| Habitat for:                                   |   |
| ☐ Federally Listed Species Explain:            |   |
| ☐ Fish/Spawn Areas Explain:                    |   |
| ☐ Other environmentally-sensitive sp           | •   |
| A sound to hard different to the first to      | n:  |
| ☐ Aquatic/Wildlife Diversity Explain           |   |
| , , ,  | to the non-TNW tributary (if any)                 |
| , , ,  |   |
| 3. Characteristics of all wetlands adjacent t  | analysis:   |

| SIGNIFICANT NEXUS DETERMINATI   | ON  |
|---|---|
| 1. Significant nexus findings for no into TNW. Explain:   | n-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gillespie discharges, in combination with the downstream manmade impoundment possibility of a hydrologic connection critical habitats were identified with does not provide lifecycle support for drainage does not have more than a biological integrity of the TNW. The  | is located more than 100 river miles from the nearest TNW, the Gila River to Dam. An analysis of peak yearly discharges and potential flood a geomorphology of the Analysis Area, the presence of a significant tent (Tat Momolikot Dam), and the distance to the TNW, suggests that the on between this drainage and the TNW is tenuous. No pollutants or nin the Analysis Area. Additionally, this unnamed ephemeral drainage functions, nutrients, or organic carbon to species within the TNW. This a speculative or insubstantial effect on the physical, chemical, and/or refore, this unnamed ephemeral drainage does not possess a significant illa River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for no or indirectly into TNW. Explain:   | n-RPW and its adjacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for we Explain:   | tlands adjacent to an RPW but that do not directly abut the RPW.  |
|   |   |
| DETERMINATIONS OF JURISDICTIO   | NAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
|   |   |
| 1. TNWs and Adjacent Wetlands   |   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe  | eet Width (ft), Or Acres  |
| ☐ TNWs: Linear Fe   |   |
| ☐ TNWs: Linear Fe   | Acres   |
| ☐ TNWs: Linear Fe ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  | Acres   |
| ☐ TNWs: Linear Fe ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or   | Acres indirectly into TNWs.   |
| ☐ TNWs: Linear Fe ☐ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ☐ Non-TNW/non-RPW waterbody  | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus   |
| ☐ TNWs: Linear Fe ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or   | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus   |
| <ul> <li>□ TNWs: Linear Fe</li> <li>□ Wetlands adjacent to TNWs:</li> <li>Reserved for Section III D 2 (RPWs):</li> <li>3. Non-RPWs that flow directly or</li> <li>□ Non-TNW/non-RPW waterbody with a TNW, and is therfore juris</li> </ul>   | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet): Acres:   |
| □ TNWs: Linear Fe □ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in the section of the | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet): Acres:   |
| □ TNWs: Linear Fe □ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or □ Non-TNW/non-RPW waterbody with a TNW, and is therfore juris Length (Linear Feet): Reserved for Section III D 4 (Wetla Reserved for Section III D 5 (Wetla  | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet): Acres:  nds directly abutting RPWs):   |
| □ TNWs: Linear Fe □ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomply with a TNW, and is therfore jurist Length (Linear Feet): Reserved for Section III D 4 (Wetlands adjacent to non-RPWs) □ Wetlands adjacent to non-RPWs   | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet): Acres:  Inds directly abutting RPWs):  Inds adjacent to but not directly abutting RPWs):  Is that flow directly or indirectly into TNWs.  Is which, in combination with the tributary and other adjacent wetlands,   |
| □ TNWs: Linear Fe □ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete and incomp | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet):  Acres:  Inds directly abutting RPWs):  Inds adjacent to but not directly abutting RPWs):  Is that flow directly or indirectly into TNWs.  Is which, in combination with the tributary and other adjacent wetlands, TNW.   |
| □ TNWs: Linear Fe □ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or incomplete and incomp | indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet): Acres:  Inds directly abutting RPWs):  Inds adjacent to but not directly abutting RPWs):  Is that flow directly or indirectly into TNWs.  Is which, in combination with the tributary and other adjacent wetlands, a TNW.  Wetland (in acres):  |
| □ TNWs: Linear Fe □ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in the section of the | indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus solictional.  Width (feet):  Acres:  Inds directly abutting RPWs):  Inds adjacent to but not directly abutting RPWs):  Is that flow directly or indirectly into TNWs.  Is which, in combination with the tributary and other adjacent wetlands, a TNW.  Wetland (in acres):  |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 22C   |                     |                   |             |               |                |          |
|---|---------------------|-------------------|-------------|---------------|----------------|----------|
| As described in Section 3C possess a significant nexus                                |                     | •                 | eral draina | age determine | ed that it did | not      |
| Explain finding of Other:   |                     |                   |             |               |                |          |
| ✓ Non-wetland waters  | 1193.59             | linear feet (ft), | 6.70        | width (ft)    |                |          |
| Other waters  |                     | acres             |             |               |                |          |
| ☐ Wetlands  |                     | acres             |             |               |                |          |
| SECTION IV: DATA SOURCES  |                     |                   |             |               |                |          |
| ✓ Maps, Plans, Plots or P   | lat Submitted by    | Applicant/Const   | ultant: W   | estLand Reso  | urces, Inc.    |          |
| ✓ Data Sheets Prepared/   |                     | half of Applicant |             |               |                |          |
| Office Concurs with   |                     |                   |             |               |                |          |
| ☐ Office Does Not Co  |                     | ition             |             |               |                |          |
| <ul><li>☐ Data Sheets Prepared</li><li>☐ Corps Navigable Water</li></ul>              | •                   |                   |             |               |                |          |
| ☐ US Geological Survey F  | •                   |                   |             |               |                |          |
| USGS NHD Data   | ., 8.0 / 10.00      |                   |             |               |                |          |
| USGS 8 and 12 digi  | it HUC Map          |                   |             |               |                |          |
| ✓ US Geological Survey N  | •                   | d Ouad Namo:      |             |               |                |          |
| Silver Reef Mounta  | •                   |                   | Rosa Moun   | tains NW 7.5  | -Minute Quad   | drangles |
|   |                     |                   |             | 7.5           | Trimate Quar   |          |
| ☐ USDA Nat'l Res Conser   |                     | ·                 | n:          |               |                |          |
| <ul><li>☐ National Wetlands Inventor</li><li>☐ State/Local Wetland Inventor</li></ul> |                     | Cite Map Name:    |             |               |                |          |
| ☐ FEMA/FIR Maps   | iventory iviaps     |                   |             |               |                |          |
| ☐ 100-year Floodplain El  | evation is:         |                   | (National   | Geodetic Ver  | rtical Datum   | of 1929) |
| ✓ Aerial Photographs (I   | Name and Date):     | BING, Microsoft   | Virtual Ea  | rth 2008      |                |          |
| ✓ Other Photographs (I  | Name and Date):     | Ground Photos;    | May 2012    |               |                |          |
| Previous Determinatio   |                     | Date of Response  | Letter:     |               |                |          |
| Applicable/Supporting   |                     |                   |             |               |                |          |
| Applicable/Supporting   | Scientific Literatu | ure Citation:     |             |               |                |          |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM   | <u>MATION</u>   |   |             |                       |
|--|-----------------|---|-------------|-----------------------|
| A. Report Completion Date for App  | oroved Jurisdic | ctional Determination: 07/30/2  | 012         |                       |
| B. District Office and File No: Los  |                 |   |             |                       |
| C. Project Location and Background   | d Information:  | Drainage Feature 22D  |             |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono  | O'odham Nation, Pima and Pinal  | Counties, A | Arizona               |
| Center coordinates of site: Lat.   | 32.5073         | Long111.9100  |             |                       |
| Name of nearest waterbody: Un  | named Wash 2    | 22D   |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                     | W: Gila River   | between Powers Butte and Gilles   | spie Dam    |                       |
| ✓ Map/Diagram of potential juris   | dictional area  | is available on request   |             |                       |
| D. Review Performed for Site Evalu   |                 | •   |             |                       |
| Office Determination. Date:  | iation.         |   |             |                       |
| Field Determination. Date: 05/3  | 2012            |   |             |                       |
|  |                 |   |             |                       |
| SECTION II: SUMMARY OF FINDING   |                 |   |             |                       |
| A. RHA Section 10 Determination  |                 |   |             |                       |
| _  |                 | within RHA jurisdiction in the revi   | ew area.    |                       |
| B. CWA Section 404 Determination   |                 |   |             |                       |
|  | ne U.S." within | CWA jurisdiction in the review a  | rea.        |                       |
| 1. Waters of the US:   |                 |   |             |                       |
| Linear Feet  |                 | Width (ft) and/or   | Acres       |                       |
| Limits of Jurisdiction based on:   |                 |   |             |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional water</li> </ol> |                 | retlands were assessed and deter  | mined not   | to be jurisdictional: |
|  | it possessed a  | lify as a TNW or RPW. Therefore,<br>significant nexus with a downstr<br>downstream TNW. |             | •                     |
| SECTION III: CWA ANALYSIS  |                 |   |             |                       |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs     |   |             |                       |
| 1. Identified TNW:   |                 |   |             |                       |
| Rationale for TNW determinat   | tion:           |   |             |                       |
| 2. Rationale for conclusion tha  | nt any wetland  | s present are "adjacent":   |             |                       |
| B. CHARACTERISTICS OF NON-TN   | W TRIBUTARY     | AND ITS ADJACENT WETLANDS   |             |                       |
| TNW Watershed Size (sq mi):  | 49650           | Tributaries flow to TNW:  |             | 4                     |
| Drainage Area (sq mi):   | 0.00049         | River Miles from tributary  | to TNW:     | 30 (or more)          |
| Average Annual Rainfall (in):  | 8.5             | River Miles from tributary  |             |                       |
| Average Annual Snowfall (in):  | 0               | Aerial Miles from tributary<br>Aerial Miles from tributary                              |             | 30 (or more)          |
| ☐ Project waters cross or serv   | ve as state bou |   |             |                       |

Feature ID: 22D

| _   |  |   | ultimately tributary to the Santa Rosa Wash. Topography Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|---|--|---|--|
| Tributary is: Natural   | Ex   | plain:  |  |
| Average Width (ft):   | 6.89   |   |  |
| verage Depth (ft):  | 1  |   |  |
| verage Side Slopes:   | 2:1  |   |  |
| Primary tributary sub  Sands  |  | position (check all   | <u>_</u>   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ N  | ☐ Col<br>1uck C  | obles   Bedro   | <u>_</u>   |
| <ul><li>✓ Silts ☐ Sands</li><li>☐ Concrete ☐ M</li><li>ributary Condition/S</li></ul> | ☐ Col·<br>⁄luck C<br>Stability. Ex                         | bbles   | <u>_</u>   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ N ☐ ributary Condition/S Presence of Run/Riffl           | ☐ Col<br>Muck C<br>Stability. Ex<br>e/Pool Con             | bbles   | ock ☑ Gravel ☐ Vegetation  |
| ✓ Silts ☐ Sands   | ☐ Col<br>Muck C<br>Stability. Ex<br>e/Pool Con<br>Relative | bbles Bedro Other, Explain: Stable mplexes. Explain: ely Straight | ock ☑ Gravel ☐ Vegetation  |

| (c) Flow:                       |                      |           |              |              |           |               |      |  |
|---------------------------------|----------------------|-----------|--------------|--------------|-----------|---------------|------|--|
| Tributary Provides for:         | Ephemeral Flow       | Average   | Flow Eve     | ents per ye  | ar:       | 2-5           |      |  |
| Describe Flow Regime:           | Ephemeral            | Other Inf | ormatio      | n on Durat   | ion and   | Volume:       |      |  |
| Surface Flow is:                | Confined             | Characte  | ristics:     |              |           |               |      |  |
| Subsurface Flow:                | No                   | Explain:  |              |              |           |               |      |  |
| Tributary Has:                  |                      |           |              |              |           |               |      |  |
| ☐ Bed and Banks                 |                      |           |              |              |           |               |      |  |
| ✓ OHWM: OHWM Inc                | dicators:            |           |              |              |           |               |      |  |
| $\square$ Clear, natural line i | mpressed on the bank | · □ \     | /egetati     | on matted    | down, b   | ent or abser  | nt   |  |
| Changes in soil cha             | racter               |           | eaf litte    | r disturbed  | or was    | hed away      |      |  |
| ☐ Shelving                      |                      | □ P       | resence      | of litter a  | nd debri  | S             |      |  |
| ☐ Sediment deposition           | on                   | ✓ [       | )<br>estruct | ion of terre | strial ve | egetation     |      |  |
| Sediment sorting                |                      |           | Abrupt c     | hange in pl  | ant com   | ımunity       |      |  |
| ☐ Scour                         |                      |           | ∕Iultiple    | observed o   | or predic | cted flow eve | ents |  |
| ☐ Presence of wrack             | line                 | □ \       | Vater st     | aining       |           |               |      |  |
| Other (list):                   |                      |           |              |              |           |               |      |  |
| ☐ Discontinuous? Ex             | xplain:              |           |              |              |           |               |      |  |
| (iii) Chemical Characteris      | tics:                |           |              |              |           |               |      |  |
| Characterize Tributai           | ry:                  |           |              |              |           |               |      |  |
| Identify Specific Poll          |                      |           |              |              |           |               |      |  |
| , ,<br>                         | ,                    |           |              |              |           |               |      |  |
|                                 |                      |           |              |              |           |               |      |  |
|                                 |                      |           |              |              |           |               |      |  |
|                                 |                      |           |              |              |           |               |      |  |

| Feature ID: 22D  |           |
|--|-----------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                    |           |
| Riparian Corridor Characteristics:   |           |
| ☐ Wetland Fringe Characteristics:  |           |
| Habitat for:   |           |
| ☐ Federally Listed Species Explain:  |           |
| ☐ Fish/Spawn Areas Explain:  |           |
| ☐ Other environmentally -sensitive species Explain:  |           |
| ☐ Aquatic/Wildlife diversity Explain:  |           |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                 |           |
| (i) Physical Characteristics:  |           |
| Wetland Size (ac): Wetland Type, Explain:  |           |
| Wetland Quality, Explain:  |           |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |           |
| Wetland Flow is: Explain:  |           |
| Surface Flow is: Characteristics:  |           |
| Subsurface Flow: Explain Findings:   |           |
| ☐ Wetland Directly Abutting Non-TNW  |           |
| ☐ Wetland Not Directly Abutting Non-TNW  |           |
| ☐ Discrete wetland hydrologic connection Explain:  |           |
| ☐ Ecological connection Explain:   |           |
| ☐ Separated by berm/barrier Explain:   |           |
| Project Wetlands: River Miles from TNW:  |           |
| Project Wetlands: Aerial Miles from TNW:   |           |
| Flow is From:  |           |
| Approximate Location of Wetland within Floodplain:   |           |
| (ii) Chemical Characteristics:   |           |
| Characterize Wetland System:   |           |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                   |           |
| ☐ Riparian Buffer Explain:   |           |
| ☐ Vegetation type/percent cover. Explain:  |           |
| Habitat for:   |           |
| ☐ Federally Listed Species Explain:  |           |
| ☐ Fish/Spawn Areas Explain:  |           |
| ☐ Other environmentally-sensitive species Explain:   |           |
| ☐ Aquatic/Wildlife Diversity Explain:  |           |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                |           |
| All wetland(s) considered in cumulative analysis:  |           |
| Wetland acres in total being considered in cumulative analysis:  |           |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fu | nctions): |
|  |           |
|  |           |
|  |           |

| . SIGNIFICANT NEXUS DETERMINATION  | I  |
|--|--|
| 1. Significant nexus findings for non-R into TNW. Explain:   | PW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gillespie D discharges, in combination with the ge downstream manmade impoundment possibility of a hydrologic connection be critical habitats were identified within does not provide lifecycle support fund drainage does not have more than a speciological integrity of the TNW. Therefore   | ocated more than 100 river miles from the nearest TNW, the Gila River am. An analysis of peak yearly discharges and potential flood comorphology of the Analysis Area, the presence of a significant (Tat Momolikot Dam), and the distance to the TNW, suggests that the petween this drainage and the TNW is tenuous. No pollutants or the Analysis Area. Additionally, this unnamed ephemeral drainage ctions, nutrients, or organic carbon to species within the TNW. This peculative or insubstantial effect on the physical, chemical, and/or fore, this unnamed ephemeral drainage does not possess a significant River between Powers Butte and Gillespie Dam.  |
| 2. Significant nexus findings for non-R or indirectly into TNW. Explain:   | PW and its adjacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for wetla Explain:   | nds adjacent to an RPW but that do not directly abut the RPW.  |
| DETERMINATIONS OF HIRISDICTIONA  | I FINDINGS THE SUBJECT WATERS/WETLANDS ARE   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:   | Width (ft), Or,  Acres  Acres  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):   | Width (ft), Or, Acres Acres  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):   | Width (ft), Or,  Acres  Acres  irectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic   | Width (ft), Or,  Acres  Acres  irectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind  Non-TNW/non-RPW waterbody that with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands)  | Width (ft), Or,  Acres  Acres  irectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands 6. | Width (ft), Or,  Acres  Acres  directly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus actional.  Width (feet):  Acres:  a directly abutting RPWs):  a adjacent to but not directly abutting RPWs):  that flow directly or indirectly into TNWs.  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the Wetland adjacent to non-RPWs whas a significant nexus with the TN   | Width (ft), Or,  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres:  Acre |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the Wetland adjacent to non-RPWs with a significant nexus with the TN Estimated size of jurisdictional were   | Width (ft), Or, Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres:  Acres: |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the Wetland adjacent to non-RPWs whas a significant nexus with the TN   | Width (ft), Or, Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres:  Acres: |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 22I  | )  |   |  |              |              |                |          |  |
|--|--|---|--|--------------|--------------|----------------|----------|--|
|  |  | C1 above, an analy us with the neares   |  | meral draina | ge determine | ed that it did | not      |  |
| Explain findir   | ng of Other:   |   |  |              |              |                |          |  |
| ✓ Non-wetla  ☐ Other wat  ☐ Wetlands                                 |  |   | linear feet (ft),<br>acres<br>acres        | 6.89         | width (ft)   |                |          |  |
| SECTION IV: DAT  | A SOURCES  |   |  |              |              |                |          |  |
| Data Shee  Office  Office  Data Shee  Corps Na  US Geolo  USGS  USGS | ets Prepared<br>Concurs wit<br>Does Not Co<br>ets Prepared<br>Vigable Wate<br>gical Survey<br>NHD Data<br>8 and 12 dig<br>gical Survey | Plat Submitted by I/Submitted on be I/Submitted | half of Applicant<br>ation<br>d Quad Name: |              |              |                | drangles |  |
| ☐ National \ ☐ State/Loc ☐ FEMA/FIF ☐ 100-year                       | Wetlands Inval Wetland I Maps Floodplain E   | nventory Maps   | Cite Map Name:                             | (National    | Geodetic Ver | rtical Datum   | of 1929) |  |
|  |  | (Name and Date):  |  |              | 11 2000      |                |          |  |
|  |  | ons File No. and  | •  | se Letter:   |              |                |          |  |
|  | e/Supporting   | g Case Law Citat<br>g Scientific Literati   |  |              |              |                |          |  |

Other Information, Please Specify:

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>     |                         |  |                       |
|---|-------------------|-------------------------|--|-----------------------|
| A. Report Completion Date for App   | roved Jurisdic    | tional Determination:   | 07/30/2012                                 |                       |
| B. District Office and File No: Los   | Angeles Distri    | ct, File No. Pending    |  |                       |
| C. Project Location and Background  | d Information:    | Drainage Feature 2      | 2 <b>2</b> E                               |                       |
| City, County, State Sif Oidak Dis   | strict, Tohono    | O'odham Nation, Pima    | and Pinal Counties,                        | Arizona               |
| Center coordinates of site: Lat.  | 32.5073           | Long111.910             | 0  |                       |
| Name of nearest waterbody: Uni  | named Wash 2      | 22E                     |  |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                  | W: Gila River     | between Powers Butte    | e and Gillespie Dam                        |                       |
| ✓ Map/Diagram of potential jurise   | dictional area    | is available on request |  |                       |
| D. Review Performed for Site Evalu  | ation:            |                         |  |                       |
| Office Determination. Date:   |                   |                         |  |                       |
| Field Determination. Date: 05/2   | 2012              |                         |  |                       |
| SECTION II: SUMMARY OF FINDING  | GS                |                         |  |                       |
| A. RHA Section 10 Determination   |                   |                         |  |                       |
| There Are No "navigable waters  |                   |                         | in the review area.                        |                       |
| B. CWA Section 404 Determination  | n of Jurisdiction | on                      |  |                       |
| There Are No "waters of the   | ne U.S." within   | CWA jurisdiction in th  | e review area.                             |                       |
| 1. Waters of the US:  |                   |                         |  |                       |
| Linear Feet   |                   | Width (ft) and/or       | Acres                                      |                       |
| Limits of Jurisdiction based on:  |                   |                         |  |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                   | etlands were assessed   | and determined not                         | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne   | it possessed a    | significant nexus with  |  | •                     |
| SECTION III: CWA ANALYSIS   |                   |                         |  |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs        |                         |  |                       |
| 1. Identified TNW:  |                   |                         |  |                       |
| Rationale for TNW determinat  | ion:              |                         |  |                       |
| 2. Rationale for conclusion tha   | t any wetland     | s present are "adjacen  | t":  |                       |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY       | AND ITS ADJACENT WE     | TLANDS                                     |                       |
| TNW Watershed Size (sq mi):   | 49650             | Tributaries flow        |  | 4                     |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                  | 0.00011<br>8.5    |                         | n tributary to TNW:<br>n tributary to RPW: | 30 (or more)          |
| Average Annual Snowfall (in):   | 0                 |                         | m tributary to RPW:                        | 30 (or more)          |
| <u> </u>  |                   |                         | m tributary to RPW:                        | ,                     |
| ☐ Project waters cross or serv  | e as state bou    | indaries. Explain:      |  |                       |

Feature ID: 22E

| •  |  | •        | e ultimately tributary to the Santa Rosa Wash. Topography is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|--|--|----------|---|
| Tributary is: Natural  |  | Explain: |   |
| Average Width (ft):  | 7.82                                   |          |   |
| Average Depth (ft):  | 1                                      |          |   |
|  | 2.4                                    |          |   |
| Average Side Slopes:  Primary tributary sub  ✓ Silts   ☐ Sands               | ostrate c                              |          | all that apply):<br>drock ☑ Gravel □ Vegetation   |
| Primary tributary sub  ☑ Silts ☐ Sands                                       | ostrate c                              |          |   |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N                        | ostrate c                              | Cobbles  |   |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N  Tributary Condition/S | ostrate cos   Muck Stability           | Cobbles  | drock ☑ Gravel ☐ Vegetation   |
| Primary tributary sub  ☑ Silts ☐ Sands                                       | ostrate cos   Muck  Stability  le/Pool | Cobbles  | drock ☑ Gravel □ Vegetation   |

| (c) Flow:                  |                       |            |              |              |          |                  |
|----------------------------|-----------------------|------------|--------------|--------------|----------|------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average F  | low Even     | its per yea  | ar:      | 2-5              |
| Describe Flow Regime:      | Ephemeral             | Other Info | ormation     | on Durati    | ion and  | d Volume:        |
| Surface Flow is:           | Confined              | Character  | ristics:     |              |          |                  |
| Subsurface Flow:           | No                    | Explain:   |              |              |          |                  |
| Tributary Has:             |                       |            |              |              |          |                  |
| ☐ Bed and Banks            |                       |            |              |              |          |                  |
| ✓ OHWM: OHWM Inc           | dicators:             |            |              |              |          |                  |
| ☐ Clear, natural line      | impressed on the bank | $\Box$ V   | egetation    | matted o     | down,    | bent or absent   |
| ✓ Changes in soil cha      | aracter               |            | eaf litter o | disturbed    | or was   | shed away        |
| ☐ Shelving                 |                       | □ P        | resence c    | of litter an | ıd debr  | is               |
| ☐ Sediment deposition      | on                    | <b>✓</b> D | estructio    | n of terre   | strial v | egetation        |
| ✓ Sediment sorting         |                       | $\Box$ A   | brupt cha    | nge in pla   | ant cor  | nmunity          |
| ☐ Scour                    |                       | □ N        | 1ultiple ol  | bserved o    | r predi  | cted flow events |
| ☐ Presence of wrack        | line                  | □ W        | Vater stai   | ning         |          |                  |
| Other (list):              |                       |            |              |              |          |                  |
| ☐ Discontinuous? Ex        | xplain:               |            |              |              |          |                  |
| (iii) Chemical Characteris | stics:                |            |              |              |          |                  |
| Characterize Tributa       | ry:                   |            |              |              |          |                  |
| Identify Specific Poll     | utants, if known:     |            |              |              |          |                  |
|                            |                       |            |              |              |          |                  |
|                            |                       |            |              |              |          |                  |
|                            |                       |            |              |              |          |                  |
|                            |                       |            |              |              |          |                  |

| (iv) Biological Characteristics. Channel supports (check all that apply):  |  |
|--|--|
| Riparian Corridor Characteristics:   |  |
| ☐ Wetland Fringe Characteristics:  |  |
| Habitat for:   |  |
| ☐ Federally Listed Species Explain:  |  |
| ☐ Fish/Spawn Areas Explain:  |  |
| ☐ Other environmentally -sensitive species Explain:  |  |
| ☐ Aquatic/Wildlife diversity Explain:  |  |
| . Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                        |  |
| ) Physical Characteristics:  |  |
| Wetland Size (ac): Wetland Type, Explain:  |  |
| Wetland Quality, Explain:  |  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |  |
| Wetland Flow is: Explain:  |  |
| Surface Flow is: Characteristics:  |  |
| Subsurface Flow: Explain Findings:   |  |
| ☐ Wetland Directly Abutting Non-TNW  |  |
| ☐ Wetland Not Directly Abutting Non-TNW  |  |
| ☐ Discrete wetland hydrologic connection Explain:  |  |
| ☐ Ecological connection Explain:   |  |
| ☐ Separated by berm/barrier Explain:   |  |
| Project Wetlands: River Miles from TNW:  |  |
| Project Wetlands: Aerial Miles from TNW:   |  |
| Flow is From:  |  |
| Approximate Location of Wetland within Floodplain:   |  |
| ) Chemical Characteristics:  |  |
|  |  |
| Characterize Wetland System:   |  |
| i) Biological Characteristics. Wetland supports (check all that apply):  |  |
| ☐ Riparian Buffer Explain:   |  |
| ☐ Vegetation type/percent cover. Explain:  |  |
| Habitat for:   |  |
| ☐ Federally Listed Species Explain:  |  |
| ☐ Fish/Spawn Areas Explain:  |  |
| ☐ Other environmentally-sensitive species Explain:   |  |
| ☐ Aquatic/Wildlife Diversity Explain:  |  |
| Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |  |
| All watland/s) considered in sumulative analysis:  |  |
| All wetland(s) considered in cumulative analysis:  |  |
| All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis: |  |

| 1. TNWs and Adjacent Wetlands  □ TNWs: Linear Feet Width (ft), Or, Acres  □ Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  □ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  □ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  | SNIFICANT NEXUS DETERMINATION   |   |
|---|---|---|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not provide infectly of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significa nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs:  Linear Feet  Width (ft), Or,  Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Wetlands adjacent to TNWs:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional wetland (in acres): |   | ndirectly   |
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| 1. TNWs and Adjacent Wetlands  ☐ TNWs:  |   | RPW.  |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:   | TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres   | :   |
| <ul> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.         Length (Linear Feet):</li></ul>  |   |   |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:   | Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signfical with a TNW, and is therfore jurisdictional.  | nt nexus  |
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| <ul> <li>Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> <li>Impoundments of jurisdictional waters.</li> <li>Demonstration of Jurisdiction:</li> </ul>   |   |   |
| Demonstration of Jurisdiction:  | Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent has a significant nexus with the TNW.  | wetlands,   |
|   | Impoundments of jurisdictional waters.  |   |
|   | Demonstration of Jurisdiction:  |   |
| E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  | DLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION COULD AFFECT INTERSTATE COMMERCE  | ON OF   |
|   | upporting rationale:  |   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| As described in Section 3C1 a   | bove, an analysis   | of this ephen  | neral draina | ge determined that  | it did not    |
|---------------------------------|---------------------|----------------|--------------|---------------------|---------------|
| possess a significant nexus w   | ith the nearest Ti  | NW.            |              |                     |               |
| Explain finding of Other:       |                     |                |              |                     |               |
| ✓ Non-wetland waters            | 382.18 line         | ear feet (ft), | 7.82         | width (ft)          |               |
| ☐ Other waters                  | acr                 | es             |              |                     |               |
| ☐ Wetlands                      | acr                 | es             |              |                     |               |
|                                 |                     |                |              |                     |               |
| SECTION IV: DATA SOURCES        |                     |                |              |                     |               |
| ✓ Maps, Plans, Plots or Plat    | •                   | • •            | ultant: W    | estLand Resources,  | Inc.          |
| Data Sheets Prepared/Su         |                     | r of Applicant |              |                     |               |
| Office Concurs with de          |                     |                |              |                     |               |
| ☐ Office Does Not Concu         |                     | n              |              |                     |               |
| ☐ Data Sheets Prepared by       | •                   |                |              |                     |               |
| ☐ Corps Navigable Water St      | •                   |                |              |                     |               |
| ☐ US Geological Survey Hyd      | Irologic Atlas      |                |              |                     |               |
| USGS NHD Data                   |                     |                |              |                     |               |
| $\square$ USGS 8 and 12 digit H | IUC Map             |                |              |                     |               |
| ✓ US Geological Survey Maj      | o(s) Scale and O    | uad Name:      |              |                     |               |
| Silver Reef Mountains           |                     |                | Rosa Mount   | tains NW 7.5-Minute | e Ouadrangles |
|                                 | <del>-</del>        | -              |              |                     | 0 1           |
| USDA Nat'l Res Conservat        |                     | •              | on:          |                     |               |
| ☐ National Wetlands Invent      |                     | Map Name:      |              |                     |               |
| State/Local Wetland Inve        | ntory Maps          |                |              |                     |               |
| ☐ FEMA/FIR Maps                 |                     |                |              |                     |               |
| ☐ 100-year Floodplain Eleva     |                     |                | •            | Geodetic Vertical D | atum of 1929) |
| ✓ Aerial Photographs (Nai       | · .                 |                |              | th 2008             |               |
| ✓ Other Photographs (Na         | me and Date): G     | round Photos;  | May 2012     |                     |               |
| Previous Determinations         |                     | te of Respons  | e Letter:    |                     |               |
| Applicable/Supporting Ca        |                     | :              |              |                     |               |
| ☐ Applicable/Supporting Sci     | ientific Literature | Citation:      |              |                     |               |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM                                 | <u>IATION</u>  |                     |                                     |            |                      |
|--|--|---------------------|-------------------------------------|------------|----------------------|
| A. Report Completion Date for App                            | oroved Jurisdiction  | onal Determination  | n: 07/30/201                        | 12         |                      |
| B. District Office and File No: Los                          | Angeles District,  | File No. Pending    |                                     |            |                      |
| C. Project Location and Background                           | d Information:   | Drainage Feature    | 23                                  |            |                      |
| City, County, State Sif Oidak Dis                            | strict, Tohono O'  | odham Nation, Pir   | ma and Pinal Co                     | ounties, A | rizona               |
| Center coordinates of site: Lat.                             | 32.5073  | Long111.9           | 100                                 |            |                      |
| Name of nearest waterbody: Un                                | named Wash 23  |                     |                                     |            |                      |
| Name of nearest downstream TNV<br>HUC Code: 15050306         | W: Gila River be   | etween Powers Bu    | tte and Gillespi                    | e Dam      |                      |
| ✓ Map/Diagram of potential juris                             | dictional area is  | available on reque  | est                                 |            |                      |
| D. Review Performed for Site Evalu                           | iation:  |                     |                                     |            |                      |
| Office Determination. Date:                                  |  |                     |                                     |            |                      |
| Field Determination. Date: 05/                               | 2012   |                     |                                     |            |                      |
| SECTION II: SUMMARY OF FINDIN                                | GS   |                     |                                     |            |                      |
| A. RHA Section 10 Determination                              |  |                     |                                     |            |                      |
| There Are No "navigable waters                               | s of the U.S." wit   | hin RHA jurisdictio | on in the review                    | area.      |                      |
| B. CWA Section 404 Determination                             | n of Jurisdiction  |                     |                                     |            |                      |
| There Are No "waters of the                                  | ne U.S." within C  | WA jurisdiction in  | the review area                     | э.         |                      |
| 1. Waters of the US:   |  |                     |                                     |            |                      |
| Linear Feet  | \  | Width (ft) and/or   | A                                   | Acres      |                      |
| Limits of Jurisdiction based on:                             |  |                     |                                     |            |                      |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa |  | lands were assess   | ed and determi                      | ned not t  | o be jurisdictional: |
| considered jurisdictional if                                 | erbody: Unnamed Wash 23 Instream TNW: Gila River between Powers Butte and Gillespie Dam  06 Instream TNW: Gila River between Powers Butte and Gillespie Dam  06 Instream TNW: Gila River between Powers Butte and Gillespie Dam  06 Instream TNW: Gila River between Powers Butte and Gillespie Dam  06 Instream TNW: Gila River between Powers Butte and Gillespie Dam  06 Instruction of State |                     |                                     |            |                      |
| SECTION III: CWA ANALYSIS                                    |  |                     |                                     |            |                      |
| A. TNWs AND WETLANDS ADJACE                                  | ENT TO TNWs  |                     |                                     |            |                      |
| 1. Identified TNW:   |  |                     |                                     |            |                      |
| Rationale for TNW determinate                                | tion:  |                     |                                     |            |                      |
| 2. Rationale for conclusion tha                              | t any wetlands ¡   | oresent are "adjac  | ent":                               |            |                      |
| B. CHARACTERISTICS OF NON-TN                                 | W TRIBUTARY A  | ND ITS ADJACENT V   | WETLANDS                            |            |                      |
| TNW Watershed Size (sq mi):                                  | 49650  | Tributaries flo     |                                     |            | 4                    |
| Drainage Area (sq mi):                                       | 0.00240<br>8.5   |                     | om tributary to                     |            | 30 (or more)         |
| Average Annual Rainfall (in): Average Annual Snowfall (in):  | 0  |                     | om tributary to<br>rom tributary to |            | 30 (or more)         |
| , werage / amaar snowram (m).                                | •  |                     | rom tributary to                    |            |                      |
| ☐ Project waters cross or serv                               | ve as state bound  | daries. Explain:    | -                                   |            |                      |

Feature ID: 23

| Identify flow route to         |  |  |
|--------------------------------|--|--|
| _                              |  | ultimately tributary to the Santa Rosa Wash. Topography s Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural          | Explain:   |  |
| Average Width (ft):            | 7.81   |  |
| Average Depth (ft):            | 1  |  |
| Average Side Slopes:           | 2:1  |  |
| <b>4</b> 631.                  | $\square$ Cobbles $\square$ Bedr                       | ock 🗹 Gravel 🗌 Vegetation  |
| ✓ Silts ☐ Sand: ☐ Concrete ☐ I | Muck Other, Explain:                                   |  |
|                                |  |  |
| Concrete                       |  | Not Present  |
| ☐ Concrete ☐ I                 | Stability. Explain: Stable le/Pool Complexes. Explain: | Not Present  |

(c) Flow:

| Tributary Provides for:         | Ephemeral Flow        | Average   | Flow Eve    | nts per ye  | ear:      | 2-5              |    |  |
|---------------------------------|-----------------------|-----------|-------------|-------------|-----------|------------------|----|--|
| Describe Flow Regime:           | Ephemeral             | Other Inf | ormation    | n on Dura   | tion and  | d Volume:        |    |  |
| Surface Flow is:                | Confined              | Characte  | ristics:    |             |           |                  |    |  |
| Subsurface Flow:                | No                    | Explain:  |             |             |           |                  |    |  |
| Tributary Has:                  |                       |           |             |             |           |                  |    |  |
| $\square$ Bed and Banks         |                       |           |             |             |           |                  |    |  |
| ✓ OHWM: OHWM Inc                | dicators:             |           |             |             |           |                  |    |  |
| $\square$ Clear, natural line i | impressed on the bank | □ V       | egetatio/   | n matted    | down,     | bent or absent   |    |  |
| Changes in soil cha             | racter                | □ L       | eaf litter  | disturbed   | d or was  | shed away        |    |  |
| ☐ Shelving                      |                       | □ P       | resence     | of litter a | nd debr   | ris              |    |  |
| ☐ Sediment deposition           | on                    |           | estructio   | on of terr  | estrial v | egetation        |    |  |
| Sediment sorting                |                       |           | brupt ch    | ange in p   | lant cor  | nmunity          |    |  |
| ☐ Scour                         |                       |           | /Jultiple o | bserved     | or pred   | icted flow event | is |  |
| $\square$ Presence of wrack     | line                  | □ V       | Vater sta   | ining       |           |                  |    |  |
| Other (list):                   |                       |           |             |             |           |                  |    |  |
| ☐ Discontinuous? Ex             | rplain:               |           |             |             |           |                  |    |  |
| (iii) Chemical Characteris      | tics:                 |           |             |             |           |                  |    |  |
| Characterize Tributa            | ry:                   |           |             |             |           |                  |    |  |
| Identify Specific Poll          | utants, if known:     |           |             |             |           |                  |    |  |
|                                 |                       |           |             |             |           |                  |    |  |
|                                 |                       |           |             |             |           |                  |    |  |
|                                 |                       |           |             |             |           |                  |    |  |
|                                 |                       |           |             |             |           |                  |    |  |

| Feature ID: 23   |       |
|--|-------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |       |
| Riparian Corridor Characteristics:   |       |
| ☐ Wetland Fringe Characteristics:  |       |
| Habitat for:   |       |
| ☐ Federally Listed Species Explain:  |       |
| ☐ Fish/Spawn Areas Explain:  |       |
| ☐ Other environmentally -sensitive species Explain:  |       |
| ☐ Aquatic/Wildlife diversity Explain:  |       |
| . Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into                            | TNIM  |
| i) Physical Characteristics:   | 11444 |
| Wetland Size (ac): Wetland Type, Explain:  |       |
| Wetland Quality, Explain:  |       |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |       |
| Wetland Flow is: Explain:  |       |
| Surface Flow is: Characteristics:  |       |
| Subsurface Flow: Explain Findings:   |       |
| ☐ Wetland Directly Abutting Non-TNW  |       |
| ☐ Wetland Not Directly Abutting Non-TNW  |       |
| ☐ Discrete wetland hydrologic connection Explain:  |       |
| Ecological connection Explain:  Ecological connection Explain:   |       |
| ☐ Separated by berm/barrier Explain:   |       |
| Project Wetlands: River Miles from TNW:  |       |
| Project Wetlands: Aerial Miles from TNW:   |       |
| Flow is From:  |       |
| Approximate Location of Wetland within Floodplain:   |       |
| ) Chemical Characteristics:  |       |
| ,  |       |
| Characterize Wetland System:   |       |
| i) Biological Characteristics. Wetland supports (check all that apply):  |       |
| ☐ Riparian Buffer Explain:   |       |
| ☐ Vegetation type/percent cover. Explain:  |       |
| Habitat for:   |       |
| ☐ Federally Listed Species Explain:  |       |
| ☐ Fish/Spawn Areas Explain:  |       |
| ☐ Other environmentally-sensitive species Explain:   |       |
| ☐ Aquatic/Wildlife Diversity Explain:  |       |
| Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |       |
|  |       |
| All wetland(s) considered in cumulative analysis:  |       |
| All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis: |       |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirect into TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. Th drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/o biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a signifinexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows direct or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexu with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres: Reserved for Section III D 4 (Wetlands directly abutting RPWs): | age is located more than 100 river miles from the nearest TNW, the Gila Riverspie Dam. An analysis of peak yearly discharges and potential flood the geomorphology of the Analysis Area, the presence of a significant dment (Tat Momolikot Dam), and the distance to the TNW, suggests that the ection between this drainage and the TNW is tenuous. No pollutants or within the Analysis Area. Additionally, this unnamed ephemeral drainage out functions, nutrients, or organic carbon to species within the TNW. This |
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| D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant next with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):   | wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant next with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Reserved for Section III D 4 (Wetlands directly abutting RPWs):   | r Feet Width (ft), Or, Acres   |
| <ul> <li>□ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant next with a TNW, and is therfore jurisdictional.</li> <li>Length (Linear Feet): Width (feet): Acres:</li> <li>Reserved for Section III D 4 (Wetlands directly abutting RPWs):</li> </ul>  |  |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  | ody that flows directly or indirectly into a TNW and has a signficant nexus jurisdictional.  |
|  |  |
|  |  |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   | PWs that flow directly or indirectly into TNWs.  |
| <ul> <li>□ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlar has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> </ul>  | the TNW.   |
| 7. Impoundments of jurisdictional waters.  |  |
| Demonstration of Jurisdiction:   | on:  |
| E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE   |  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 23  |   |
|---|---|
|   | 3C1 above, an analysis of this ephemeral drainage determined that it did not cus with the nearest TNW.  |
| Explain finding of Othe   | :   |
| ✓ Non-wetland waters  ☐ Other waters  ☐ Wetlands  | 8554.71 linear feet (ft), 7.81 width (ft) acres acres   |
| SECTION IV: DATA SOURCE   | S   |
| ✓ Data Sheets Prepare  ☐ Office Concurs w   | r Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  d/Submitted on behalf of Applicant ith delineation  Concur with delineation |
| ☐ Data Sheets Prepare ☐ Corps Navigable Wa ☐ US Geological Surve ☐ USGS NHD Data ☐ USGS 8 and 12 of | ter Study<br>y Hydrologic Atlas   |
|   | y Map(s) Scale and Quad Name:<br>ntains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                   |
| USDA Nat'l Res Con National Wetlands I State/Local Wetland FEMA/FIR Maps 100-year Floodplain        | Inventory Maps  |
|   | Elevation is: (National Geodetic Vertical Datum of 1929) (Name and Date): BING, Microsoft Virtual Earth 2008                                    |
| _ :   | (Name and Date): Ground Photos; May 2012  |
| Applicable/Supporti   | ng Scientific Literature Citation:  |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM   | <u>MATION</u>     |   |             |                       |
|--|-------------------|---|-------------|-----------------------|
| A. Report Completion Date for App  | oroved Jurisdic   | tional Determination: 07/30/2   | 012         |                       |
| B. District Office and File No: Los  |                   |   |             |                       |
| C. Project Location and Background   | d Information:    | Drainage Feature 23A  |             |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono    | O'odham Nation, Pima and Pinal  | Counties, A | Arizona               |
| Center coordinates of site: Lat.   | 32.5073           | Long111.9100  |             |                       |
| Name of nearest waterbody: Un  | named Wash 2      | 23A   |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                     | W: Gila River     | between Powers Butte and Gilles   | spie Dam    |                       |
| ✓ Map/Diagram of potential juris   | dictional area    | is available on request   |             |                       |
|  |                   | is available of request   |             |                       |
| D. Review Performed for Site Evalu   | iation:           |   |             |                       |
| Office Determination. Date:  |                   |   |             |                       |
| Field Determination. Date: 05/2  | 2012              |   |             |                       |
| SECTION II: SUMMARY OF FINDING   | <u>GS</u>         |   |             |                       |
| A. RHA Section 10 Determination  | of Jurisdiction   | 1   |             |                       |
| There Are No "navigable waters   | s of the U.S." v  | vithin RHA jurisdiction in the revi   | ew area.    |                       |
| B. CWA Section 404 Determination   | n of Jurisdiction | on  |             |                       |
| There Are No "waters of the  | ne U.S." within   | CWA jurisdiction in the review a  | rea.        |                       |
| 1. Waters of the US:   |                   |   |             |                       |
| Linear Feet  |                   | Width (ft) and/or   | Acres       |                       |
| Limits of Jurisdiction based on:   |                   |   |             |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional water</li> </ol> |                   | etlands were assessed and deter   | mined not   | to be jurisdictional: |
|  | it possessed a    | lify as a TNW or RPW. Therefore, significant nexus with a downstrodownstream TNW. |             | •                     |
| SECTION III: CWA ANALYSIS  |                   |   |             |                       |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs       |   |             |                       |
| 1. Identified TNW:   |                   |   |             |                       |
| Rationale for TNW determinat   | tion:             |   |             |                       |
|  |                   |   |             |                       |
| 2. Rationale for conclusion tha  | it any wetland    | s present are "adjacent":   |             |                       |
| B. CHARACTERISTICS OF NON-TN   | W TRIBUTARY       | AND ITS ADJACENT WETLANDS   |             |                       |
| TNW Watershed Size (sq mi):  | 49650             | Tributaries flow to TNW:  |             | 4                     |
| Drainage Area (sq mi):   | 0.00017           | River Miles from tributary  |             | 30 (or more)          |
| Average Annual Rainfall (in):  | 8.5               | River Miles from tributary  |             |                       |
| Average Annual Snowfall (in):  | 0                 | Aerial Miles from tributary<br>Aerial Miles from tributary                        |             | 30 (or more)          |
| ☐ Project waters cross or serv   | ve as state bou   |   |             |                       |

Feature ID: 23A

| Feature ID: 23A                              |  |  |
|--|--|--|
| Identify flow route to                       | TNW:   |  |
| Unnamed drainages v                          | within the Analysis Area   | are ultimately tributary to the Santa Rosa Wash. Topography ow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural                        | Explain:   |  |
| Average Width (ft):                          | 7.65   |  |
| Average Depth (ft):                          | 1  |  |
| Average Side Slopes:                         | 2:1  |  |
| Primary tributary sub  ✓ Silts  ☐ Sands      | estrate composition (ch  | eck all that apply):<br>Bedrock 🗹 Gravel 🗆 Vegetation  |
| ☐ Concrete ☐ N                               | Лиск Other, Explair  | n:   |
| Tributary Geometry:<br>Tributary Gradient (a | e/Pool Complexes. Exp<br>Relatively Straight<br>pproximate average slo |  |
| (c) Flow: Tributary Provides for:            | Enhemeral Flow   | Average Flow Events per year: 2-5  |
| •  | •  | Other Information on Duration and Volume:  |
| Surface Flow is:                             | Confined   | Characteristics:   |
| Subsurface Flow:                             | No   | Explain:   |
| Tributary Has:                               |  |  |
| ☐ Bed and Banks                              |  |  |
| ✓ OHWM: OHWM Inc                             | dicators:  |  |
| $\square$ Clear, natural line i              | impressed on the bank  | $\square$ Vegetation matted down, bent or absent   |
| Changes in soil changes                      | ıracter  | $\square$ Leaf litter disturbed or washed away   |
| ☐ Shelving                                   |  | Presence of litter and debris  |
| Sediment deposition                          | on   | ✓ Destruction of terrestrial vegetation  |
| ✓ Sediment sorting                           |  | ☐ Abrupt change in plant community ☐ Multiple observed or predicted flow events                                      |
| L L SCOUR                                    |  | I I WILLITING ODSERVED OF DREDICTED FLOW EVENTS  |

# (iii) Chemical Characteristics:

Other (list):

 $\hfill\Box$  Presence of wrack line

☐ Discontinuous? Explain:

Characterize Tributary:
Identify Specific Pollutants, if known:

☐ Water staining

| v) Biological Characterist     | ics. Channel supports (check all that apply):                      |
|--------------------------------|--|
| $\square$ Riparian Corridor (  | Characteristics:   |
| $\square$ Wetland Fringe Ch    | aracteristics:   |
| Habitat for:                   |  |
| ☐ Federally Listed Spe         | ecies Explain:   |
| ☐ Fish/Spawn Areas             | Explain:   |
| $\square$ Other environment    | cally -sensitive species Explain:                                  |
| $\square$ Aquatic/Wildlife div | versity Explain:   |
| . Characteristics of wetla     | ands adjacent to non-TNW that flow directly or indirectly into TNW |
| i) Physical Characteristics    |  |
| Wetland Size (ac):             | Wetland Type, Explain:   |
| Wetland Quality, Expla         | ain:   |
| Project Wetlands Cros          | ss or Serve as State Boundaries, Explain:                          |
| Wetland Flow is:               | Explain:   |
| Surface Flow is:               | Characteristics:   |
| Subsurface Flow:               | Explain Findings:  |
| ☐ Wetland Directly Al          | butting Non-TNW  |
| ☐ Wetland Not Direct           | :ly Abutting Non-TNW   |
| ☐ Discrete wetland             | hydrologic connection Explain:                                     |
| ☐ Ecologcal connec             | ction Explain:   |
| $\square$ Separated by be      | rm/barrier Explain:  |
| Project Wetlands: Rive         | er Miles from TNW:   |
| Project Wetlands: Aer          | ial Miles from TNW:  |
| Flow is From:                  |  |
| Approximate Location           | of Wetland within Floodplain:                                      |
| ii) Chemical Characteristic    | cs:  |
| Characterize Wetland           | System:  |
| iii) Biological Characterist   | tics. Wetland supports (check all that apply):                     |
| ☐ Riparian Buffer E            | xplain:  |
| ☐ Vegetation type/p            | percent cover. Explain:  |
| Habitat for:                   |  |
| ☐ Federally Listed S           | Species Explain:   |
| ☐ Fish/Spawn Area              | s Explain:   |
| $\square$ Other environme      | entally-sensitive species Explain:                                 |
| $\square$ Aquatic/Wildlife     | Diversity Explain:   |
| . Characteristics of all we    | etlands adjacent to the non-TNW tributary (if any)                 |
|                                | red in cumulative analysis:  |
| / III Welland(5) conside       | •  |
| • •                            | being considered in cumulative analysis:                           |

| SIGNIFICANT NEXUS DETERMINA  | TION   |
|--|--|
| 1. Significant nexus findings for n into TNW. Explain:   | on-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gilles discharges, in combination with the downstream manmade impounds possibility of a hydrologic connect critical habitats were identified with does not provide lifecycle support drainage does not have more that biological integrity of the TNW. The discharge does not the towns and the towns are the discharge does not the discharge does not the towns are the discharge does not the discharge d | re is located more than 100 river miles from the nearest TNW, the Gila River pie Dam. An analysis of peak yearly discharges and potential flood the geomorphology of the Analysis Area, the presence of a significant ment (Tat Momolikot Dam), and the distance to the TNW, suggests that the tion between this drainage and the TNW is tenuous. No pollutants or ithin the Analysis Area. Additionally, this unnamed ephemeral drainage to functions, nutrients, or organic carbon to species within the TNW. This in a speculative or insubstantial effect on the physical, chemical, and/or neerefore, this unnamed ephemeral drainage does not possess a significant Gila River between Powers Butte and Gillespie Dam.   |
| 2. Significant nexus findings for r or indirectly into TNW. Explain:   | non-RPW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for vexplain:  | vetlands adjacent to an RPW but that do not directly abut the RPW.   |
|  |  |
|  |  |
| DETERMINATIONS OF JURISDICT  | IONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| . DETERMINATIONS OF JURISDICT  1. TNWs and Adjacent Wetlands   | IONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
|  |  |
| 1. TNWs and Adjacent Wetlands  | Feet Width (ft), Or, Acres   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear  | Feet Width (ft), Or, Acres   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPW   | Feet Width (ft), Or, Acres  Acres s):  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly of  | Feet Width (ft), Or, Acres  Acres s):  or indirectly into TNWs.  dy that flows directly or indirectly into a TNW and has a signficant nexus  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear  Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly of Non-TNW/non-RPW waterbook   | Feet Width (ft), Or, Acres  Acres s):  or indirectly into TNWs.  dy that flows directly or indirectly into a TNW and has a signficant nexus  |
| 1. TNWs and Adjacent Wetlands  TNWs: Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly of With a TNW, and is therfore justices.   | Feet Width (ft), Or, Acres  Acres s):  or indirectly into TNWs.  dy that flows directly or indirectly into a TNW and has a signficant nexus irisdictional.  Width (feet): Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly of the section of the sect | Feet Width (ft), Or, Acres  Acres s):  Or indirectly into TNWs.  dy that flows directly or indirectly into a TNW and has a signficant nexus insdictional.  Width (feet): Acres:  |
| 1. TNWs and Adjacent Wetlands  TNWs: Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly of the with a TNW, and is therfore just Length (Linear Feet):  Reserved for Section III D 4 (Wetleserved for Section III D 5 (Wetleser | Feet Width (ft), Or, Acres  Acres s):  or indirectly into TNWs.  dy that flows directly or indirectly into a TNW and has a signficant nexus irisdictional.  Width (feet): Acres:  clands directly abutting RPWs):  clands adjacent to but not directly abutting RPWs):   |
| 1. TNWs and Adjacent Wetlands  TNWs:  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly of the control of the co | Feet Width (ft), Or, Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Width flows directly or indirectly into a TNW and has a signficant nexus insdictional.  Width (feet): Acres:  Clands directly abutting RPWs):  Clands adjacent to but not directly abutting RPWs):  We that flow directly or indirectly into TNWs.  We which, in combination with the tributary and other adjacent wetlands,  |
| 1. TNWs and Adjacent Wetlands  TNWs:  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly of the section of the se | Feet Width (ft), Or, Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres:  Ac |
| 1. TNWs and Adjacent Wetlands  TNWs:  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly of the section of the se | Feet Width (ft), Or, Acres  Acres  s):  or indirectly into TNWs.  dy that flows directly or indirectly into a TNW and has a signficant nexus irisdictional.  Width (feet): Acres:  llands directly abutting RPWs):  llands adjacent to but not directly abutting RPWs):  Ws that flow directly or indirectly into TNWs.  Ws which, in combination with the tributary and other adjacent wetlands, the TNW.  all wetland (in acres):  |

Non-Jurisdictional Waters:

Supporting rationale: Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 23A  |                     |                   |               |                            |            |
|--|---------------------|-------------------|---------------|----------------------------|------------|
| As described in Section 3C possess a significant nexus |                     |                   | neral draina  | age determined that it did | d not      |
|  | with the heares     | L IIVV.           |               |                            |            |
| Explain finding of Other:                              |                     |                   |               |                            |            |
| ✓ Non-wetland waters                                   | 603.14              | linear feet (ft), | 7.65          | width (ft)                 |            |
| Other waters   |                     | acres             |               |                            |            |
| ☐ Wetlands   |                     | acres             |               |                            |            |
| SECTION IV: DATA SOURCES                               |                     |                   |               |                            |            |
| ✓ Maps, Plans, Plots or P                              | lat Submitted by    | Applicant/Cons    | sultant: W    | estLand Resources, Inc.    |            |
| Data Sheets Prepared/                                  | Submitted on be     | half of Applicant |               |                            |            |
| $\square$ Office Concurs with                          | delineation         |                   |               |                            |            |
| Office Does Not Co                                     | ncur with delinea   | tion              |               |                            |            |
| ☐ Data Sheets Prepared b                               | by the Corps        |                   |               |                            |            |
| Corps Navigable Water                                  | Study               |                   |               |                            |            |
| US Geological Survey H                                 | lydrologic Atlas    |                   |               |                            |            |
| USGS NHD Data  |                     |                   |               |                            |            |
| $\square$ USGS 8 and 12 digi                           | t HUC Map           |                   |               |                            |            |
| ✓ US Geological Survey N                               | /lap(s) Scale and   | d Quad Name:      |               |                            |            |
| Silver Reef Mounta                                     | ins SE, North Koi   | melik, and Santa  | Rosa Moun     | tains NW 7.5-Minute Qua    | adrangles  |
| ☐ USDA Nat'l Res Conser                                | vation Service So   | il Survey Citati  | on:           |                            |            |
| ☐ National Wetlands Inve                               |                     | Cite Map Name:    |               |                            |            |
| ☐ State/Local Wetland In                               |                     |                   |               |                            |            |
| ☐ FEMA/FIR Maps  | , ,                 |                   |               |                            |            |
| ☐ 100-year Floodplain Ele                              | evation is:         |                   | (National     | Geodetic Vertical Datum    | n of 1929) |
| Aerial Photographs (Note: 1987)                        | Name and Date):     | BING, Microsof    | t Virtual Ear | rth 2008                   |            |
| ✓ Other Photographs (N                                 | Name and Date):     | Ground Photos     | : May 2012    |                            |            |
| ☐ Previous Determination                               | ns File No. and     | Date of Respons   | e Letter:     |                            |            |
| Applicable/Supporting                                  |                     |                   |               |                            |            |
| $\square$ Applicable/Supporting                        | Scientific Literatu | ure Citation:     |               |                            |            |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION  |                           |
|--|---------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                           |
| B. District Office and File No: Los Angeles District, File No. Pending   |                           |
| C. Project Location and Background Information: Drainage Feature 24  |                           |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Count  | ies, Arizona              |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                           |
| Name of nearest waterbody: Unnamed Wash 24   |                           |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Da   | am                        |
| HUC Code: 15050306   |                           |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                           |
| D. Review Performed for Site Evaluation:   |                           |
| Office Determination. Date:  |                           |
| Field Determination. Date: 05/2012   |                           |
|  |                           |
| SECTION II: SUMMARY OF FINDINGS  |                           |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review are   | .a                        |
| ·  | ca.                       |
| B. CWA Section 404 Determination of Jurisdiction  There Are No  "waters of the U.S." within CWA jurisdiction in the review area.   |                           |
| ,  |                           |
| 1. Waters of the US:   |                           |
| Linear Feet Width (ft) and/or Acre   | S                         |
| Limits of Jurisdiction based on:   |                           |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined</li></ul>   | not to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this draws considered jurisdictional if it possessed a significant nexus with a downstream T not possess a significant nexus with the downstream TNW. |                           |
| SECTION III: CWA ANALYSIS  |                           |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                           |
| 1. Identified TNW:   |                           |
| Rationale for TNW determination:   |                           |
|  |                           |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                           |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                           |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                         |
| Drainage Area (sq mi): 0.00086 River Miles from tributary to TN  |                           |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RP   |                           |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TN Aerial Miles from tributary to RP  |                           |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                           |

Feature ID: 24

| Tributary is: Natural Explain  Average Width (ft): 7.61 | :                         |
|---|---------------------------|
| Average Width (ft): 7.61                                |                           |
|   |                           |
| Average Depth (ft): 1                                   |                           |
| Average Side Slopes: 2:1                                |                           |
| Tributary Condition/Stability. Explair                  | : Stable                  |
| Presence of Run/Riffle/Pool Complex                     | kes. Explain: Not Present |
| Fributary Geometry: Relatively St                       | raight                    |
| Tributary Gradient (approximate ave                     | rage slope): 2%           |

| (c) Flow:                  |                      |            |           |              |            |                  |  |
|----------------------------|----------------------|------------|-----------|--------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow       | Average    | Flow Eve  | ents per ye  | ar:        | 2-5              |  |
| Describe Flow Regime:      | Ephemeral            | Other Inf  | ormatio   | n on Dura    | tion and   | Volume:          |  |
| Surface Flow is:           | Confined             | Characte   | ristics:  |              |            |                  |  |
| Subsurface Flow:           | No                   | Explain:   |           |              |            |                  |  |
| Tributary Has:             |                      |            |           |              |            |                  |  |
| ☐ Bed and Banks            |                      |            |           |              |            |                  |  |
| ✓ OHWM: OHWM Inc           | licators:            |            |           |              |            |                  |  |
| ☐ Clear, natural line i    | mpressed on the bank | :          | /egetatio | on matted    | down, b    | ent or absent    |  |
| Changes in soil cha        | racter               |            | eaf litte | r disturbed  | or was     | hed away         |  |
| ☐ Shelving                 |                      | □ F        | resence   | of litter a  | nd debri   | S                |  |
| Sediment deposition        | on                   | <b>✓</b> [ | Destruct  | ion of terre | estrial ve | egetation        |  |
| ✓ Sediment sorting         |                      |            | Abrupt c  | hange in p   | lant com   | nmunity          |  |
| ☐ Scour                    |                      |            | ∕Iultiple | observed     | or predic  | cted flow events |  |
| ☐ Presence of wrack        | line                 | □ <b>\</b> | Vater st  | aining       |            |                  |  |
| Other (list):              |                      |            |           |              |            |                  |  |
| ☐ Discontinuous? Ex        | plain:               |            |           |              |            |                  |  |
| (iii) Chemical Characteris | tics:                |            |           |              |            |                  |  |
| Characterize Tributar      | ry:                  |            |           |              |            |                  |  |
| Identify Specific Pollu    | utants, if known:    |            |           |              |            |                  |  |
|                            |                      |            |           |              |            |                  |  |
|                            |                      |            |           |              |            |                  |  |
|                            |                      |            |           |              |            |                  |  |
|                            |                      |            |           |              |            |                  |  |

| (iv) Biological Characterist  | ics. Channel supports (check all that apply):                      |
|---|--|
| ☐ Riparian Corridor (   | Characteristics:   |
| ☐ Wetland Fringe Ch   | aracteristics:   |
| Habitat for:  |  |
| ☐ Federally Listed Spe  | ecies Explain:   |
| ☐ Fish/Spawn Areas  | Explain:   |
| $\square$ Other environment   | ally -sensitive species Explain:                                   |
| $\square$ Aquatic/Wildlife div  | versity Explain:   |
| 2 Characteristics of wetla  | ands adjacent to non-TNW that flow directly or indirectly into TNW |
| (i) Physical Characteristics:   |  |
| Wetland Size (ac):  | Wetland Type, Explain:   |
| Wetland Quality, Expla  |  |
| Project Wetlands Cros   | ss or Serve as State Boundaries, Explain:                          |
| Wetland Flow is:  | Explain:   |
| Surface Flow is:  | Characteristics:   |
| Subsurface Flow:  | Explain Findings:  |
| ☐ Wetland Directly Ab   | outting Non-TNW  |
| ☐ Wetland Not Direct  |  |
|   | hydrologic connection Explain:                                     |
| ☐ Ecologcal connec  |  |
| $\square$ Separated by ber  |  |
| Project Wetlands: Rive  | er Miles from TNW:   |
| Project Wetlands: Aer   | ial Miles from TNW:  |
| Flow is From:   |  |
| Approximate Location  | of Wetland within Floodplain:                                      |
| (ii) Chemical Characteristic  | CS:  |
| Characterize Wetland  | System:  |
|   | ics. Wetland supports (check all that apply):                      |
| -   |  |
| Riparian Buffer Ex  |  |
| Habitat for:  | ercent cover. Explain:   |
| Federally Listed S  | Species Explain:   |
| ☐ Fish/Spawn Area   | ·  |
| I I I I I I I I I I I I I I I I I I I   | entally-sensitive species Explain:                                 |
| • •   | ·  |
| ☐ Other environme   | Diversity Explain:   |
| ☐ Other environme☐ Aquatic/Wildlife   |  |
| ☐ Other environme☐ Aquatic/Wildlife  3. Characteristics of all we                       | etlands adjacent to the non-TNW tributary (if any)                 |
| Other environmed Aquatic/Wildlife  3. Characteristics of all we All wetland(s) consider | red in cumulative analysis:  |
| Other environmed Aquatic/Wildlife  3. Characteristics of all we All wetland(s) consider | etlands adjacent to the non-TNW tributary (if any)                 |

| . SIGNIFICANT NEXUS DETERMINATION  |                        |
|--|------------------------|
| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirection into TNW. Explain:   | ctly                   |
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gilbetween Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainad does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. The drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant distribution of the Gila River between Powers Butte and Gillespie Dam. | hat the<br>nge<br>This |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly into TNW. Explain:   | ctly                   |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW Explain:   | •                      |
| . DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  |                        |
| ☐ TNWs: Linear Feet Width (ft), Or, Acres  ☐ Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  |                        |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  |                        |
| <ul> <li>□ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant new with a TNW, and is therfore jurisdictional.</li> <li>Length (Linear Feet):</li> <li>Width (feet):</li> <li>Acres:</li> </ul>  | xus                    |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |                        |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |                        |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   |                        |
| ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands a significant nexus with the TNW.  | ands,                  |
| Estimated size of jurisdictional wetland (in acres):   |                        |
| 7. Impoundments of jurisdictional waters.  |                        |
| Demonstration of Jurisdiction:   |                        |
| . ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION ON WHICH COULD AFFECT INTERSTATE COMMERCE  | )F                     |
| Supporting rationale:  |                        |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 24   |   |
|--|---|
| As described in Section 30 possess a significant nexu  | C1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW.                                       |
| Explain finding of Other:  |   |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 3142.09 linear feet (ft), 7.61 width (ft) acres acres   |
| SECTION IV: DATA SOURCES   |   |
| ✓ Data Sheets Prepared,  ☐ Office Concurs with   | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  /Submitted on behalf of Applicant in delineation incur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey I</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas   |
|  | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                    |
| ☐ USDA Nat'l Res Conser☐ National Wetlands Inv☐ State/Local Wetland In☐ FEMA/FIR Maps  |   |
| ☐ 100-year Floodplain El   | evation is: (National Geodetic Vertical Datum of 1929)  |
|  | Name and Date): BING, Microsoft Virtual Earth 2008  |
| _  | Name and Date): Ground Photos; May 2012   |
| _  | ons File No. and Date of Response Letter:   |
| ☐ Applicable/Supporting  |   |
| <ul><li>Applicable/Supporting</li><li>Other Information, Ple</li></ul>   |   |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>     |                   |                                    |                |                       |
|---|-------------------|-------------------|------------------------------------|----------------|-----------------------|
| A. Report Completion Date for App   | roved Jurisdict   | ional Determina   | tion: 07/30,                       | /2012          |                       |
| B. District Office and File No: Los   | Angeles Distric   | t, File No. Pendi | ng                                 |                |                       |
| C. Project Location and Background  | d Information:    | Drainage Feat     | cure 25                            |                |                       |
| City, County, State Sif Oidak Dis   | strict, Tohono (  | D'odham Nation    | , Pima and Pina                    | al Counties, A | rizona                |
| Center coordinates of site: Lat.  | 32.5073           | Long11            | 1.9100                             |                |                       |
| Name of nearest waterbody: Un   | named Wash 2      | 5                 |                                    |                |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River k   | oetween Powers    | Butte and Gill                     | espie Dam      |                       |
| ✓ Map/Diagram of potential juris  | dictional area is | s available on re | quest                              |                |                       |
| D. Review Performed for Site Evalu  | ation:            |                   |                                    |                |                       |
| Office Determination. Date:   |                   |                   |                                    |                |                       |
| Field Determination. Date: 05/  | 2012              |                   |                                    |                |                       |
| SECTION II: SUMMARY OF FINDIN   | GS                |                   |                                    |                |                       |
| A. RHA Section 10 Determination   |                   |                   |                                    |                |                       |
| There Are No "navigable waters  |                   | ithin RHA jurisdi | ction in the rev                   | view area.     |                       |
| B. CWA Section 404 Determination  | n of Jurisdictio  | n                 |                                    |                |                       |
| There Are No "waters of the   | ne U.S." within   | CWA jurisdictior  | in the review                      | area.          |                       |
| 1. Waters of the US:  |                   |                   |                                    |                |                       |
| Linear Feet   |                   | Width (ft) and/   | or                                 | Acres          |                       |
| Limits of Jurisdiction based on:  |                   |                   |                                    |                |                       |
| 2. Non-Regulated Waters/Wet   | lands:            |                   |                                    |                |                       |
| ✓ Potentially jurisdictional wa   | iters and/or we   | etlands were ass  | essed and dete                     | ermined not t  | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a    | significant nexus | with a downs                       | •              | •                     |
| SECTION III: CWA ANALYSIS   |                   |                   |                                    |                |                       |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs       |                   |                                    |                |                       |
| 1. Identified TNW:  |                   |                   |                                    |                |                       |
| Rationale for TNW determinate   | ion:              |                   |                                    |                |                       |
| 2. Rationale for conclusion tha   | it any wetlands   | present are "ad   | ljacent":                          |                |                       |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY A     | AND ITS ADJACEI   | NT WETLANDS                        |                |                       |
| TNW Watershed Size (sq mi):   | 49650             |                   | s flow to TNW:                     |                | 4                     |
| Drainage Area (sq mi):  | 0.00034           |                   | s from tributar                    | •              | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 8.5<br>0          |                   | s from tributar<br>es from tributa | •              | 30 (or more)          |
| Average Alliaal Silowial (III).   | J                 |                   | es from tributa                    | •              | 50 (of filore)        |
| ☐ Project waters cross or serv  | ve as state bour  |                   |                                    |                |                       |

Feature ID: 25

| Identify flow route to         |   |   |
|--------------------------------|---|---|
| •                              | •   | e ultimately tributary to the Santa Rosa Wash. Topography is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural          | Explain:  |   |
| Average Width (ft):            | 6.65  |   |
| Average Depth (ft):            | 1   |   |
| Average Side Slopes:           | 2:1   |   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ N | $\square$ Cobbles $\square$ Beofuck Other, Explain: | lrock ☑ Gravel ☐ Vegetation   |
| Fributary Condition/S          | Stability. Explain: Stable                          |   |
| Presence of Run/Riffl          | e/Pool Complexes. Explain                           | : Not Present   |
|                                | Relatively Straight                                 |   |
| Tributary Geometry:            | relatively straight                                 |   |

| (c) Flow:                       |                      |             |           |              |           |                  |  |
|---------------------------------|----------------------|-------------|-----------|--------------|-----------|------------------|--|
| Tributary Provides for:         | Ephemeral Flow       | Average     | Flow Ev   | ents per ye  | ar:       | 2-5              |  |
| Describe Flow Regime:           | Ephemeral            | Other Inf   | ormatic   | n on Durat   | ion and   | Volume:          |  |
| Surface Flow is:                | Confined             | Characte    | ristics:  |              |           |                  |  |
| Subsurface Flow:                | No                   | Explain:    |           |              |           |                  |  |
| Tributary Has:                  |                      |             |           |              |           |                  |  |
| ☐ Bed and Banks                 |                      |             |           |              |           |                  |  |
| ✓ OHWM: OHWM Inc                | dicators:            |             |           |              |           |                  |  |
| $\square$ Clear, natural line i | mpressed on the bank | . □ V       | egetati   | on matted (  | down, b   | ent or absent    |  |
| ✓ Changes in soil cha           | racter               |             | eaf litte | r disturbed  | or wasl   | ned away         |  |
| ☐ Shelving                      |                      | □ P         | resence   | of litter an | ıd debri  | S                |  |
| ☐ Sediment deposition           | on                   | <b>V</b>    | estruct   | ion of terre | strial ve | egetation        |  |
| Sediment sorting                |                      |             | hrupt c   | hange in pla | ant com   | munity           |  |
| ☐ Scour                         |                      |             | Лultiple  | observed o   | r predic  | cted flow events |  |
| ☐ Presence of wrack             | line                 | $\square$ V | Vater st  | aining       |           |                  |  |
| Other (list):                   |                      |             |           |              |           |                  |  |
| ☐ Discontinuous? Ex             | cplain:              |             |           |              |           |                  |  |
| (iii) Chemical Characteris      | tics                 |             |           |              |           |                  |  |
| •                               |                      |             |           |              |           |                  |  |
| Characterize Tributa            |                      |             |           |              |           |                  |  |
| Identify Specific Poll          | utants, if known:    |             |           |              |           |                  |  |
|                                 |                      |             |           |              |           |                  |  |
|                                 |                      |             |           |              |           |                  |  |
|                                 |                      |             |           |              |           |                  |  |
|                                 |                      |             |           |              |           |                  |  |

| iv) Biological Characterist  | ics. Channel supports (check all that apply):                         |
|--|---|
| ☐ Riparian Corridor C  | Characteristics:  |
| ☐ Wetland Fringe Cha   | aracteristics:  |
| Habitat for:   |   |
| ☐ Federally Listed Spe   | ecies Explain:  |
| ☐ Fish/Spawn Areas   | Explain:  |
| ☐ Other environmenta   | ally -sensitive species Explain:                                      |
| $\square$ Aquatic/Wildlife div   | versity Explain:  |
| 2 Characteristics of wetla   | ands adjacent to non-TNW that flow directly or indirectly into TNW    |
| (i) Physical Characteristics:  |   |
| Wetland Size (ac):   | Wetland Type, Explain:  |
| Wetland Quality, Expla   | ain:  |
| Project Wetlands Cros  | s or Serve as State Boundaries, Explain:                              |
| Wetland Flow is:   | Explain:  |
| Surface Flow is:   | Characteristics:  |
| Subsurface Flow:   | Explain Findings:   |
| ☐ Wetland Directly Ab  | outting Non-TNW   |
| ☐ Wetland Not Direct   |   |
|  | hydrologic connection Explain:  |
| ☐ Ecologcal connec   | ction Explain:  |
| $\square$ Separated by ber   | m/barrier Explain:  |
| Project Wetlands: Rive   | er Miles from TNW:  |
| Project Wetlands: Aeri   | ial Miles from TNW:   |
| Flow is From:  |   |
| Approximate Location   | of Wetland within Floodplain:   |
| ii) Chemical Characteristic  | cs:   |
| Characterize Wetland   | System:   |
| iii) Biological Characterist   | ics. Wetland supports (check all that apply):                         |
| ☐ Riparian Buffer Ex   |   |
| •  | ercent cover. Explain:  |
| Habitat for:   | Crocke Govern Explains  |
| ☐ Federally Listed S   | Species Explain:  |
| •  |   |
| ☐ Fish/Spawn Areas   | entally-sensitive species Explain:                                    |
| ☐ Other environme  | intally-sensitive species - Explain.                                  |
| • •  | ·   |
| ☐ Other environme ☐ Aquatic/Wildlife   | Diversity Explain:  |
| ☐ Other environme ☐ Aquatic/Wildlife  3. Characteristics of all we                         | Diversity Explain: etlands adjacent to the non-TNW tributary (if any) |
| ☐ Other environme ☐ Aquatic/Wildlife  3. Characteristics of all we All wetland(s) consider | Diversity Explain:  |

|  | NEXUS DETI   | ERMINATION   |   |  |   |  |
|--|--|--|---|--|---|--|
| 1. Significant into TNW. E   |  | ngs for non-R  | PW that has no  | adjacent wetla   | nds and flov  | vs directly or indirectly  |
| between Pov<br>discharges, in<br>downstream<br>possibility of<br>critical habita<br>does not pro<br>drainage doe<br>biological int | wers Butte and note that it is a hydrologic ats were identified by the second of the s | nd Gillespie Da<br>n with the ge<br>npoundment<br>connection b<br>atified within<br>support func-<br>nore than a sp<br>TNW. Therefo  | am. An analysis omorphology of (Tat Momoliko petween this drathe Analysis Arctions, nutrients peculative or insore, this unname   | of peak yearly of<br>of the Analysis A<br>t Dam), and the<br>ainage and the T<br>ea. Additionally,<br>s, or organic carl<br>substantial effec  | discharges ar<br>rea, the presi<br>distance to t<br>NW is tenuo<br>this unname<br>oon to specie<br>t on the phys<br>lrainage does | nearest TNW, the Gila Rive<br>and potential flood<br>ence of a significant<br>the TNW, suggests that the<br>ous. No pollutants or<br>ed ephemeral drainage<br>es within the TNW. This<br>sical, chemical, and/or<br>s not possess a significant<br>am. |
| •  | t nexus findir<br>into TNW. Ex   | •  | PW and its adj  | acent wetlands,  | where the n   | on-RPW flows directly  |
| 3. Significant Explain:  | t nexus findir   | ngs for wetla  | nds adjacent to   | an RPW but th  | at do not dir   | ectly abut the RPW.  |
|  |  |  |   |  |   |  |
| DETERMINA  | TIONS OF JUI   | RISDICTIONA  | L FINDINGS. TH  | HE SUBJECT WA  | TERS/WETLA  | INDS ARE   |
| 1. TNWs and  | l Adjacent W   | etlands  |   |  |   |  |
| ☐ TNWs:  |  | Linear Feet  |   | Width (ft), C  | )r,   | Acres  |
|  |  | TNIMA  | Acres   |  |   |  |
| ■ Wetland  | ds adjacent to   | ) IIVVVS.  |   |  |   |  |
|  | ds adjacent to<br>Section III D  |  |   |  |   |  |
| Reserved for   | Section III D  | 2 (RPWs):  | irectly into TN\  | Ws.  |   |  |
| Reserved for  3. Non-RPW  Non-TNW  | Section III D  's that flow d  V/non-RPW w   | 2 (RPWs):  | at flows directly   |  | o a TNW and   | d has a signficant nexus   |
| Reserved for  3. Non-RPW  Non-TNW with a TN  | Section III D  's that flow d  V/non-RPW w   | 2 (RPWs):  irectly or indivaterbody that   | at flows directly   | or indirectly in   | co a TNW and  | d has a signficant nexus   |
| Reserved for  3. Non-RPW  Non-TNW with a TN Length (L  | s that flow d<br>V/non-RPW w<br>NW, and is the<br>Linear Feet):  | 2 (RPWs):  irectly or indivaterbody thaterfore jurisdices  | at flows directly   | or indirectly in   |   | d has a signficant nexus   |
| Reserved for  3. Non-RPW  Non-TNW with a TN Length (L Reserved for   | Section III D  S that flow d  V/non-RPW w  NW, and is the  Linear Feet):  or Section III D   | 2 (RPWs):  irectly or indivaterbody that erfore jurisdicates of the control of th | at flows directly<br>ctional.<br>Width (feet)<br>directly abutti  | or indirectly in   | Acres:  |  |
| Reserved for  3. Non-RPW  Non-TNW with a TN Length (L Reserved fo Reserved fo  | r Section III D rs that flow d V/non-RPW w IW, and is the Linear Feet): or Section III D or Section III D  | 2 (RPWs):  irectly or indivaterbody the erfore jurisdice  2 4 (Wetlands  5 5 (Wetlands   | at flows directly<br>ctional.<br>Width (feet)<br>directly abutti<br>adjacent to bu  | y or indirectly info   | Acres:<br>utting RPWs   |  |
| Reserved for  3. Non-RPW  Non-TNW with a TN Length (L Reserved fo Reserved fo 6. Wetlands  Wetland                                 | r Section III D rs that flow d V/non-RPW w IW, and is the Linear Feet): or Section III D or Section III D or Section III D or Section III D or Adjacent to   | 2 (RPWs):  irectly or indivaterbody the erfore jurisdice  2 4 (Wetlands 2 5 (Wetlands 3 non-RPWs th  | at flows directly ctional.  Width (feet) directly abuttication and adjacent to but to | y or indirectly into a control of the control of th | Acres:<br>utting RPWs   |  |
| Reserved for  3. Non-RPW  Non-TNW with a TN Length (L Reserved fo Reserved fo 6. Wetlands Wetland has a sig                        | r Section III D rs that flow d V/non-RPW w IW, and is the inear Feet): or Section III D   | 2 (RPWs):  irectly or indivaterbody the erfore jurisdice.  2 4 (Wetlands) 5 (Wetlands) non-RPWs the mon-RPWs while with the TN   | at flows directly ctional.  Width (feet) directly abuttication and adjacent to but to | y or indirectly into a control of the control of th | Acres:<br>utting RPWs   | ):   |
| Reserved for  3. Non-RPW  Non-TNW with a TN Length (L Reserved fo Reserved fo 6. Wetlands has a sig Estimate                       | s that flow d V/non-RPW w W, and is the Linear Feet): or Section III D   | 2 (RPWs):  irectly or indivaterbody the erfore jurisdice.  2 4 (Wetlands) 5 (Wetlands) non-RPWs the mon-RPWs while with the TN   | at flows directly ctional.  Width (feet): directly abutti adjacent to but nat flow directly nich, in combination.   | y or indirectly into a control of the control of th | Acres:<br>utting RPWs   | ):   |
| Reserved for  3. Non-RPW  Non-TNW with a TN Length (L Reserved fo Reserved fo 6. Wetland has a sig Estimate  7. Impound            | s that flow d V/non-RPW w W, and is the Linear Feet): or Section III D   | 2 (RPWs): irectly or indivaterbody thaterfore jurisdictional was with the TN is dictional was irectly or indivate the isdictional was irectly or indivate the ind | at flows directly ctional.  Width (feet): directly abutti adjacent to but nat flow directly nich, in combination.   | y or indirectly into a control of the control of th | Acres:<br>utting RPWs   | ):   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| As described in Section 3C1 above, an anappossess a significant nexus with the nearest  | alysis of this ephemeral drainage determined that it did not est TNW.    |
|---|--|
|   |  |
| Explain finding of Other:   |  |
| ✓ Non-wetland waters 1422.92  ☐ Other waters  ☐ Wetlands  | linear feet (ft), 6.65 width (ft) acres acres                            |
| SECTION IV: DATA SOURCES  |  |
| <ul> <li>✓ Maps, Plans, Plots or Plat Submitted by</li> <li>✓ Data Sheets Prepared/Submitted on by</li> <li>☐ Office Concurs with delineation</li> <li>☐ Office Does Not Concur with delineation</li> </ul> |  |
| <ul> <li>□ Data Sheets Prepared by the Corps</li> <li>□ Corps Navigable Water Study</li> <li>□ US Geological Survey Hydrologic Atlas</li> <li>□ USGS NHD Data</li> </ul>                                    |  |
| USGS 8 and 12 digit HUC Map   |  |
| ✓ US Geological Survey Map(s) Scale a Silver Reef Mountains SE. North K   | nd Quad Name: omelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles |
| <ul> <li>□ USDA Nat'l Res Conservation Service S</li> <li>□ National Wetlands Inventory Maps</li> <li>□ State/Local Wetland Inventory Maps</li> </ul>   |  |
| ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is:   | (National Geodetic Vertical Datum of 1929)                               |
| <ul><li>Aerial Photographs (Name and Date</li></ul>   |  |
| Other Photographs (Name and Date  |  |
| Previous Determinations File No. an   | d Date of Response Letter:   |
| _ ' ' ' ' ' '   | ation:   |
| Applicable/Supporting Scientific Litera<br>Other Information, Please Specify:   | ture Citation:   |

| SECTION I: BACKGROUND INFORM                                 | <u>MATION</u>    |  |             |                       |
|--|------------------|--|-------------|-----------------------|
| A. Report Completion Date for App                            | oroved Jurisdic  | etional Determination: 07/30/2   | 012         |                       |
| B. District Office and File No: Los                          |                  |  |             |                       |
| C. Project Location and Background                           | d Information:   | Drainage Feature 25A   |             |                       |
| City, County, State Sif Oidak Dis                            | strict, Tohono   | O'odham Nation, Pima and Pinal   | Counties, A | Arizona               |
| Center coordinates of site: Lat.                             | 32.5073          | Long111.9100   |             |                       |
| Name of nearest waterbody: Un                                | named Wash 2     | 25A  |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306         | W: Gila River    | between Powers Butte and Gilles  | spie Dam    |                       |
| ✓ Map/Diagram of potential juris                             | dictional area   | is available on request  |             |                       |
| D. Review Performed for Site Evalu                           |                  |  |             |                       |
| Office Determination. Date:                                  | iation.          |  |             |                       |
| Field Determination. Date: 05/3                              | 2012             |  |             |                       |
| riela Determination. Date. 03/1                              | 2012             |  |             |                       |
| SECTION II: SUMMARY OF FINDING                               | <u>GS</u>        |  |             |                       |
| A. RHA Section 10 Determination                              |                  |  |             |                       |
| There Are No "navigable waters                               | s of the U.S." v | within RHA jurisdiction in the revi  | ew area.    |                       |
| B. CWA Section 404 Determination                             |                  |  |             |                       |
|  | ne U.S." within  | CWA jurisdiction in the review a   | rea.        |                       |
| 1. Waters of the US:   |                  |  |             |                       |
| Linear Feet  |                  | Width (ft) and/or  | Acres       |                       |
| Limits of Jurisdiction based on:                             |                  |  |             |                       |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa |                  | retlands were assessed and deter   | mined not   | to be jurisdictional: |
|  | it possessed a   | lify as a TNW or RPW. Therefore, significant nexus with a downstrdownstream TNW. |             |                       |
| SECTION III: CWA ANALYSIS                                    |                  |  |             |                       |
| A. TNWs AND WETLANDS ADJACE                                  | ENT TO TNWs      |  |             |                       |
| 1. Identified TNW:   |                  |  |             |                       |
| Rationale for TNW determinat                                 | tion:            |  |             |                       |
| 2 Politicals for a solution the                              |                  |  |             |                       |
| 2. Rationale for conclusion tha                              | it any wetiand   | s present are "adjacent":  |             |                       |
| B. CHARACTERISTICS OF NON-TN                                 | W TRIBUTARY      | AND ITS ADJACENT WETLANDS  |             |                       |
| TNW Watershed Size (sq mi):                                  | 49650            | Tributaries flow to TNW:   |             | 4                     |
| Drainage Area (sq mi):                                       | 0.00010          | River Miles from tributary   |             | 30 (or more)          |
| Average Annual Rainfall (in):                                | 8.5              | River Miles from tributary   |             | 20 (or man)           |
| Average Annual Snowfall (in):                                | 0                | Aerial Miles from tributary<br>Aerial Miles from tributary                       |             | 30 (or more)          |
| ☐ Project waters cross or serv                               | ve as state bou  |  |             |                       |

Feature ID: 25A

| Identify flow route to   | ΓNW:                 |  |     |
|--|----------------------|--|-----|
| _  |                      | rea are ultimately tributary to the Santa R<br>I flow is Santa Rosa Wash to the Santa Cr |     |
| 0 ( )  | Explain: 6.26<br>1   |  |     |
| ☐ Concrete ☐ M  Tributary Condition/St  Presence of Run/Riffle | ability. Explain: St | table xplain: Not Present  |     |
|  | Relatively Straight  | t  |     |
| Tributary Geometry:  |                      |  |     |
| Tributary Geometry:<br>Tributary Gradient (ap                  |                      |  |     |
| •  |                      |  |     |
| Tributary Gradient (ap   | proximate average    |  | 2-5 |

| Tributary Provides for:    | Ephemeral Flow       | Average F   | Flow Events per yea  | ar: 2-5                 |  |
|----------------------------|----------------------|-------------|----------------------|-------------------------|--|
| Describe Flow Regime:      | Ephemeral            | Other Info  | ormation on Durat    | ion and Volume:         |  |
| Surface Flow is:           | Confined             | Character   | ristics:             |                         |  |
| Subsurface Flow:           | No                   | Explain:    |                      |                         |  |
| Tributary Has:             |                      |             |                      |                         |  |
|                            |                      |             |                      |                         |  |
| ☐ Bed and Banks            |                      |             |                      |                         |  |
| ✓ OHWM: OHWM Inc           |                      |             |                      |                         |  |
| ☐ Clear, natural line i    | mpressed on the bank | $\square$ V | egetation matted (   | down, bent or absent    |  |
| Changes in soil cha        | racter               | ☐ Le        | eaf litter disturbed | or washed away          |  |
| ☐ Shelving                 |                      | □ P         | resence of litter ar | d debris                |  |
| ☐ Sediment deposition      | on                   | <b>✓</b> D  | estruction of terre  | strial vegetation       |  |
| ✓ Sediment sorting         |                      | $\square$ A | brupt change in pla  | ant community           |  |
| ☐ Scour                    |                      | $\square$ N | 1ultiple observed o  | r predicted flow events |  |
| ☐ Presence of wrack        | line                 | $\square$ W | /ater staining       |                         |  |
| Other (list):              |                      |             |                      |                         |  |
| ☐ Discontinuous? Ex        | plain:               |             |                      |                         |  |
|                            |                      |             |                      |                         |  |
| (iii) Chemical Characteris | tics:                |             |                      |                         |  |
| Characterize Tributar      | ry:                  |             |                      |                         |  |
| Identify Specific Pollu    | utants, if known:    |             |                      |                         |  |
|                            |                      |             |                      |                         |  |
|                            |                      |             |                      |                         |  |
|                            |                      |             |                      |                         |  |
|                            |                      |             |                      |                         |  |

| Feature ID: 25A                                   |   |
|---|---|
| (iv) Biological Characteristic                    | cs. Channel supports (check all that apply):  |
| ☐ Riparian Corridor C                             | haracteristics:   |
| ☐ Wetland Fringe Cha                              | racteristics:   |
| Habitat for:                                      |   |
| ☐ Federally Listed Spec                           | cies Explain:   |
| ☐ Fish/Spawn Areas                                | Explain:  |
|   | Illy -sensitive species Explain:  |
| ☐ Aquatic/Wildlife dive                           | ersity Explain:   |
| 2. Characteristics of wetlar                      | nds adjacent to non-TNW that flow directly or indirectly into TNW                               |
| (i) Physical Characteristics:                     |   |
| Wetland Size (ac):                                | Wetland Type, Explain:  |
| Wetland Quality, Expla                            | in:   |
| _   | s or Serve as State Boundaries, Explain:  |
| Wetland Flow is:                                  | Explain:  |
| Surface Flow is:                                  | Characteristics:  |
| Subsurface Flow:                                  | Explain Findings:   |
| ☐ Wetland Directly Ab                             |   |
| ☐ Wetland Not Directle                            |   |
|   | hydrologic connection Explain:  |
| ☐ Ecologcal connect                               |   |
| ☐ Separated by berr                               |   |
| Project Wetlands: Rive<br>Project Wetlands: Aeria |   |
| Flow is From:                                     | at ivilles from triviv.   |
|   | of Wetland within Floodplain:   |
|   | ·   |
| (ii) Chemical Characteristics                     |   |
| Characterize Wetland S                            |   |
| (iii) Biological Characteristic                   | cs. Wetland supports (check all that apply):  |
| Riparian Buffer Ex                                | ·   |
| ☐ Vegetation type/pe<br>Habitat for:              | ercent cover. Explain:  |
| ☐ Federally Listed S                              | pecies Explain:   |
| ☐ Fish/Spawn Areas                                |   |
|   | ntally-sensitive species Explain:   |
| ☐ Aquatic/Wildlife [                              | Diversity Explain:  |
| 3. Characteristics of all we                      | tlands adjacent to the non-TNW tributary (if any)   |
| All wetland(s) consider                           | ed in cumulative analysis:  |
| Wetland acres in total                            | being considered in cumulative analysis:  |
| Describe each wetland                             | (directly abuts tributary?; size in acres; overall biological, chemical or physical functions): |
|   |   |
|   |   |

| . SIGNIFICANT NEXUS DETERMINAT   | ION   |
|--|---|
| 1. Significant nexus findings for no into TNW. Explain:  | n-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gillespid discharges, in combination with the downstream manmade impoundment possibility of a hydrologic connection critical habitats were identified with does not provide lifecycle support for drainage does not have more than biological integrity of the TNW. The                                 | is located more than 100 river miles from the nearest TNW, the Gila River e Dam. An analysis of peak yearly discharges and potential flood e geomorphology of the Analysis Area, the presence of a significant ent (Tat Momolikot Dam), and the distance to the TNW, suggests that the on between this drainage and the TNW is tenuous. No pollutants or hin the Analysis Area. Additionally, this unnamed ephemeral drainage functions, nutrients, or organic carbon to species within the TNW. This a speculative or insubstantial effect on the physical, chemical, and/or erefore, this unnamed ephemeral drainage does not possess a significant ila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for no or indirectly into TNW. Explain:  | n-RPW and its adjacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for we<br>Explain:   | etlands adjacent to an RPW but that do not directly abut the RPW.   |
|  |   |
| . DETERMINATIONS OF JURISDICTIO  | NAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| DETERMINATIONS OF JURISDICTIO  1. TNWs and Adjacent Wetlands   | ONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
|  | ·   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe   | ·   |
| 1. TNWs and Adjacent Wetlands  | eet Width (ft), Or, Acres   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs)   | eet Width (ft), Or, Acres  Acres  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs)  3. Non-RPWs that flow directly or   | Acres  Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs)  3. Non-RPWs that flow directly or Non-TNW/non-RPW waterbody   | Acres  Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs)  3. Non-RPWs that flow directly or Non-TNW/non-RPW waterbody with a TNW, and is therfore juri  | Acres  Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet):  Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs)  3. Non-RPWs that flow directly or Non-TNW/non-RPW waterbody with a TNW, and is therfore juri Length (Linear Feet): Reserved for Section III D 4 (Wetlands)  | Acres  Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet):  Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs)  3. Non-RPWs that flow directly or Non-TNW/non-RPW waterbody with a TNW, and is therfore juri Length (Linear Feet): Reserved for Section III D 4 (Wetla Reserved for Section III D 5 (Wetla                        | Acres  Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet):  Acres:  Indirectly abutting RPWs):   |
| 1. TNWs and Adjacent Wetlands  TNWs: Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs)  3. Non-RPWs that flow directly or Non-TNW/non-RPW waterbody with a TNW, and is therfore juri Length (Linear Feet): Reserved for Section III D 4 (Wetla Reserved for Section III D 5 (Wetla 6. Wetlands adjacent to non-RPW) | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet): Acres:  Inds directly abutting RPWs):  Inds adjacent to but not directly abutting RPWs):  It shat flow directly or indirectly into TNWs.  It shat flow directly or indirectly into TNWs.   |
| 1. TNWs and Adjacent Wetlands  TNWs:  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs)  3. Non-RPWs that flow directly or  Non-TNW/non-RPW waterbody with a TNW, and is therfore jurit Length (Linear Feet):  Reserved for Section III D 4 (Wetlands adjacent to non-RPWs)  Wetlands adjacent to non-RPWs         | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet): Acres:  Inds directly abutting RPWs):  Inds adjacent to but not directly abutting RPWs):  Is that flow directly or indirectly into TNWs.  Is which, in combination with the tributary and other adjacent wetlands, a TNW.  |
| 1. TNWs and Adjacent Wetlands  TNWs:  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs)  3. Non-RPWs that flow directly or  Non-TNW/non-RPW waterbody with a TNW, and is therfore juril Length (Linear Feet):  Reserved for Section III D 4 (Wetlands adjacent to non-RPWs has a significant nexus with the        | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet): Acres:  Inds adjacent to but not directly abutting RPWs):  Is that flow directly or indirectly into TNWs.  Is which, in combination with the tributary and other adjacent wetlands, a TNW.  Wetland (in acres):  |

# Supporting rationale: Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Explain finding of no Significant Nexus:

Non-Jurisdictional Waters:

| Feature ID: 25A                     |                                 |                                       |          |
|-------------------------------------|---------------------------------|---------------------------------------|----------|
|                                     |                                 | neral drainage determined that it did | not      |
| possess a significant nexus wi      | ith the hearest riviv.          |                                       |          |
| Explain finding of Other:           |                                 |                                       |          |
| ✓ Non-wetland waters                | 456.88 linear feet (ft),        | 6.26 width (ft)                       |          |
| ☐ Other waters                      | acres                           |                                       |          |
| ☐ Wetlands                          | acres                           |                                       |          |
| SECTION IV: DATA SOURCES            |                                 |                                       |          |
| ✓ Maps, Plans, Plots or Plat        | Submitted by Applicant/Cons     | sultant: WestLand Resources, Inc.     |          |
| ✓ Data Sheets Prepared/Substitution | bmitted on behalf of Applicant  |                                       |          |
| $\Box$ Office Concurs with de       | elineation                      |                                       |          |
| Office Does Not Concu               | ır with delineation             |                                       |          |
| $\square$ Data Sheets Prepared by t | the Corps                       |                                       |          |
| Corps Navigable Water St            | udy                             |                                       |          |
| $\square$ US Geological Survey Hyd  | rologic Atlas                   |                                       |          |
| USGS NHD Data                       |                                 |                                       |          |
| $\square$ USGS 8 and 12 digit H     | UC Map                          |                                       |          |
| US Geological Survey Map            | o(s) Scale and Quad Name:       |                                       |          |
| Silver Reef Mountains               | SE, North Komelik, and Santa    | Rosa Mountains NW 7.5-Minute Qua      | drangles |
| ☐ USDA Nat'l Res Conservat          | tion Service Soil Survey Citati | on:                                   |          |
| ☐ National Wetlands Invent          | •                               |                                       |          |
| ☐ State/Local Wetland Inver         | ·                               |                                       |          |
| ☐ FEMA/FIR Maps                     | , ,                             |                                       |          |
| ☐ 100-year Floodplain Eleva         | ntion is:                       | (National Geodetic Vertical Datum     | of 1929) |
| Aerial Photographs (Nar             | me and Date): BING, Microsof    | Virtual Earth 2008                    |          |
| Other Photographs (Nar              | me and Date): Ground Photos;    | May 2012                              |          |
| ☐ Previous Determinations           | File No. and Date of Respons    | e Letter:                             |          |
| Applicable/Supporting Cas           |                                 |                                       |          |
| Applicable/Supporting Sci           | ientific Literature Citation:   |                                       |          |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | MATION              |                     |                                       |                              |
|---|---------------------|---------------------|---------------------------------------|------------------------------|
| A. Report Completion Date for App   | oroved Jurisdiction | onal Determination  | n: 07/30/2012                         | 2                            |
| B. District Office and File No: Los   | Angeles District,   | File No. Pending    |                                       |                              |
| C. Project Location and Background  | d Information:      | Drainage Feature    | 26                                    |                              |
| City, County, State Sif Oidak Dis   | strict, Tohono O'   | odham Nation, Pir   | ກa and Pinal Coເ                      | ınties, Arizona              |
| Center coordinates of site: Lat.  | 32.5073             | Long111.9           | 100                                   |                              |
| Name of nearest waterbody: Un   | named Wash 26       |                     |                                       |                              |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River be    | etween Powers Bu    | tte and Gillespie                     | Dam                          |
| ✓ Map/Diagram of potential juris  | dictional area is   | available on reque  | est                                   |                              |
| D. Review Performed for Site Evalu  | iation:             |                     |                                       |                              |
| Office Determination. Date:   |                     |                     |                                       |                              |
| Field Determination. Date: 05/  | 2012                |                     |                                       |                              |
| SECTION II: SUMMARY OF FINDIN   | GS                  |                     |                                       |                              |
| A. RHA Section 10 Determination   |                     |                     |                                       |                              |
| There Are No "navigable waters  |                     | hin RHA jurisdictio | on in the review                      | area.                        |
| B. CWA Section 404 Determination  | on of Jurisdiction  |                     |                                       |                              |
| There Are No "waters of the   | ne U.S." within C   | WA jurisdiction in  | the review area.                      |                              |
| 1. Waters of the US:  |                     |                     |                                       |                              |
| Linear Feet   | \                   | Width (ft) and/or   | Ad                                    | cres                         |
| Limits of Jurisdiction based on:  |                     |                     |                                       |                              |
| 2. Non-Regulated Waters/Wet   | lands:              |                     |                                       |                              |
| ✓ Potentially jurisdictional wa   | nters and/or wet    | lands were assesse  | ed and determin                       | ed not to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a si   | gnificant nexus wi  | •                                     | ,                            |
| SECTION III: CWA ANALYSIS   |                     |                     |                                       |                              |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs         |                     |                                       |                              |
| 1. Identified TNW:  |                     |                     |                                       |                              |
| Rationale for TNW determinate   | tion:               |                     |                                       |                              |
| 2. Rationale for conclusion tha   | nt any wetlands p   | oresent are "adjace | ent":                                 |                              |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY A       | ND ITS ADJACENT \   | WETLANDS                              |                              |
| TNW Watershed Size (sq mi):   | 49650               | Tributaries flo     |                                       | 4                            |
| Drainage Area (sq mi):  | 0.00058             |                     | om tributary to                       |                              |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 8.5<br>0            |                     | om tributary to I<br>rom tributary to |                              |
| Average Allinaal Silowiali (III).   | J                   |                     | rom tributary to                      |                              |
| ☐ Project waters cross or serv  | ve as state bound   |                     |                                       |                              |

Feature ID: 26

| Identify flow route to<br>Unnamed drainages                                 |  | ne Analysi           | s Area are ı  | ultimately tribut  | ary to the Santa | a Rosa Wash. Topogra  | phy |
|---|--|----------------------|---------------|--------------------|------------------|-----------------------|-----|
| suggests the most lik<br>River.   | cely route                                   | e of poten           | itial flow is | Santa Rosa Was     | h to the Santa   | Cruz Wash to the Gila | 1   |
| Tributary is: Natural   |  | Explain:             |               |                    |                  |                       |     |
| Average Width (ft):   | 5.83   |                      |               |                    |                  |                       |     |
| Average Depth (ft):   | 1  |                      |               |                    |                  |                       |     |
|   |  |                      |               |                    |                  |                       |     |
|   |  | ompositio            | n (check al   | l that apply):     |                  |                       |     |
| Average Side Slopes:<br>Primary tributary sub<br>☑ Silts ☐ Sands            | ostrate co                                   | ompositio<br>Cobbles | n (check al   |                    | □ Vegetat        | ion                   |     |
| Primary tributary sub  ✓ Silts ☐ Sands                                      | ostrate co                                   | •                    | ☐ Bedro       |                    | □ Vegetat        | ion                   |     |
| Primary tributary sub  ✓ Silts □ Sands                                      | ostrate co                                   | Cobbles<br>Other, E  | ☐ Bedro       |                    | □ Vegetat        | ion                   |     |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Fributary Condition/ | ostrate cos \( \sigma\) (  Muck  Stability.  | Cobbles Other, E     | ☐ Bedro       |                    | □ Vegetat        | ion                   |     |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                       | ostrate cos ( )  Muck  Stability.  le/Pool ( | Cobbles Other, E     | Bedro         | ock <b>⊻</b> Grave | □ Vegetat        | ion                   |     |

| (c) Flow:                               |                      |            |           |              |            |                  |  |
|---|----------------------|------------|-----------|--------------|------------|------------------|--|
| Tributary Provides for:                 | Ephemeral Flow       | Average    | Flow Eve  | ents per ye  | ear:       | 2-5              |  |
| Describe Flow Regime:                   | Ephemeral            | Other Inf  | ormatio   | n on Dura    | tion and   | Volume:          |  |
| Surface Flow is:                        | Confined             | Characte   | ristics:  |              |            |                  |  |
| Subsurface Flow:                        | No                   | Explain:   |           |              |            |                  |  |
| Tributary Has:                          |                      |            |           |              |            |                  |  |
| ☐ Bed and Banks                         |                      |            |           |              |            |                  |  |
| ✓ OHWM: OHWM Inc                        | dicators:            |            |           |              |            |                  |  |
| $\square$ Clear, natural line i         | mpressed on the banl | · □ \      | /egetatio | on matted    | down, b    | ent or absent    |  |
| ✓ Changes in soil cha                   | racter               |            | -         | r disturbed  |            |                  |  |
| ☐ Shelving                              |                      | □ F        | resence   | of litter a  | nd debri   | S                |  |
| ☐ Sediment deposition                   | on                   | <b>✓</b> [ | Destructi | ion of terre | estrial ve | egetation        |  |
| Sediment sorting                        |                      |            | Abrupt cl | hange in p   | lant com   | nmunity          |  |
| ☐ Scour                                 |                      |            | Multiple  | observed     | or predi   | cted flow events |  |
| ☐ Presence of wrack                     | line                 | □ <b>\</b> | Water sta | aining       |            |                  |  |
| Other (list):                           |                      |            |           |              |            |                  |  |
| ☐ Discontinuous? Ex                     | xplain:              |            |           |              |            |                  |  |
| (iii) Chemical Characteris              | tics:                |            |           |              |            |                  |  |
| Characterize Tributai                   | ry:                  |            |           |              |            |                  |  |
| Identify Specific Pollu                 | •                    |            |           |              |            |                  |  |
| , | ,                    |            |           |              |            |                  |  |
|   |                      |            |           |              |            |                  |  |
|   |                      |            |           |              |            |                  |  |
|   |                      |            |           |              |            |                  |  |

| Feature ID: 26  |          |
|---|----------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                     |          |
| Riparian Corridor Characteristics:  |          |
| ☐ Wetland Fringe Characteristics:   |          |
| Habitat for:  |          |
| ☐ Federally Listed Species Explain:   |          |
| ☐ Fish/Spawn Areas Explain:   |          |
| ☐ Other environmentally -sensitive species Explain:   |          |
| ☐ Aquatic/Wildlife diversity Explain:   |          |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                  |          |
| (i) Physical Characteristics:   |          |
| Wetland Size (ac): Wetland Type, Explain:   |          |
| Wetland Quality, Explain:   |          |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |          |
| Wetland Flow is: Explain:   |          |
| Surface Flow is: Characteristics:   |          |
| Subsurface Flow: Explain Findings:  |          |
| ☐ Wetland Directly Abutting Non-TNW   |          |
| ☐ Wetland Not Directly Abutting Non-TNW   |          |
| ☐ Discrete wetland hydrologic connection Explain:   |          |
| ☐ Ecologcal connection Explain:   |          |
| ☐ Separated by berm/barrier Explain:  |          |
| Project Wetlands: River Miles from TNW:   |          |
| Project Wetlands: Aerial Miles from TNW:  |          |
| Flow is From:   |          |
| Approximate Location of Wetland within Floodplain:  |          |
| (ii) Chemical Characteristics:  |          |
| Characterize Wetland System:  |          |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                    |          |
| ☐ Riparian Buffer Explain:  |          |
| ☐ Vegetation type/percent cover. Explain:   |          |
| Habitat for:  |          |
| ☐ Federally Listed Species Explain:   |          |
| ☐ Fish/Spawn Areas Explain:   |          |
| ☐ Other environmentally-sensitive species Explain:  |          |
| ☐ Aquatic/Wildlife Diversity Explain:   |          |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                 |          |
| All wetland(s) considered in cumulative analysis:   |          |
| Wetland acres in total being considered in cumulative analysis:   |          |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fun | ctions): |
|   |          |
|   |          |
|   |          |

| Th<br>be<br>dis<br>do<br>po<br>cri | Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly to TNW. Explain: is unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila Rivertus on Rowers Butto and Cillegric Dam. An analysis of peak yearly displayers and notantial flood.   |
|------------------------------------|---|
| be<br>dis<br>do<br>po<br>cri       | ·   |
| dra<br>bio                         | tween Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood scharges, in combination with the geomorphology of the Analysis Area, the presence of a significant wastream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the ssibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or tical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage es not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This ainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or ological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant xus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. |
|                                    | Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly indirectly into TNW. Explain:  |
|                                    | Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. plain:  |
|                                    | TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  served for Section III D 2 (RPWs):   |
|                                    |   |
| J.                                 | Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:   |
| R                                  | eserved for Section III D 4 (Wetlands directly abutting RPWs):  |
|                                    | eserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |
| 6.                                 | Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   |
|                                    | Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  |
| 7.                                 | Impoundments of jurisdictional waters.  |
|                                    | Demonstration of Jurisdiction:  |
|                                    | DLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF COULD AFFECT INTERSTATE COMMERCE   |

# F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 26   |   |
|--|---|
| As described in Section 30 possess a significant nexu  | C1 above, an analysis of this ephemeral drainage determined that it did not as with the nearest TNW.                                    |
| Explain finding of Other:  |   |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 2768.62 linear feet (ft), 5.83 width (ft) acres acres   |
| SECTION IV: DATA SOURCES   |   |
| ✓ Data Sheets Prepared,  ☐ Office Concurs with   | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. /Submitted on behalf of Applicant h delineation oncur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey I</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | Hydrologic Atlas  |
|  | Map(s) Scale and Quad Name: rains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                 |
| □ USDA Nat'l Res Conser □ National Wetlands Inv □ State/Local Wetland Inv □ FEMA/FIR Maps  |   |
| ☐ 100-year Floodplain E  | levation is: (National Geodetic Vertical Datum of 1929)   |
|  | Name and Date): BING, Microsoft Virtual Earth 2008  |
| ✓ Other Photographs (  | Name and Date): Ground Photos; May 2012   |
|  | ons File No. and Date of Response Letter:   |
| ☐ Applicable/Supporting  | · · · · · · · · · · · · · · · · · · ·   |
| ☐ Applicable/Supporting Other Information, Ple   |   |

| SECTION I: BACKGROUND INFORMATION  |                       |
|--|-----------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                       |
| B. District Office and File No: Los Angeles District, File No. Pending   |                       |
| C. Project Location and Background Information: Drainage Feature 27  |                       |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties,  | Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                       |
| Name of nearest waterbody: Unnamed Wash 27   |                       |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam  |                       |
| HUC Code: 15050306   |                       |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                       |
| D. Review Performed for Site Evaluation:   |                       |
| Office Determination. Date:  |                       |
| Field Determination. Date: 05/2012   |                       |
|  |                       |
| SECTION II: SUMMARY OF FINDINGS  |                       |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.   |                       |
|  |                       |
| B. CWA Section 404 Determination of Jurisdiction   |                       |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.  |                       |
| 1. Waters of the US:   |                       |
| Linear Feet Width (ft) and/or Acres  |                       |
| Limits of Jurisdiction based on:   |                       |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined not</li></ul>   | to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this draina considered jurisdictional if it possessed a significant nexus with a downstream TNW. not possess a significant nexus with the downstream TNW. | •                     |
| SECTION III: CWA ANALYSIS  |                       |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                       |
| 1. Identified TNW:   |                       |
| Rationale for TNW determination:   |                       |
|  |                       |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                       |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                       |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                     |
| Drainage Area (sq mi): 0.00071 River Miles from tributary to TNW:  | 30 (or more)          |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:   | 20 (or ====)          |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW: Aerial Miles from tributary to RPW:  | 30 (or more)          |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                       |

Feature ID: 27

| _  | within the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography ely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|--|--|
| Tributary is: Natural  | Explain:   |
| Average Width (ft):  | 8.20   |
| Average Depth (ft):  | 1  |
| Average Side Slopes:   | 2:1  |
| Primary tributary sub  ☑ Silts ☐ Sands                                       | strate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  |
| ✓ Silts ☐ Sands  | ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  Muck Other, Explain:  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/S                        | ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  Muck Other, Explain:  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/S                        | ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  Muck Other, Explain: Stable   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/S  Presence of Run/Riffl | ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  Muck Other, Explain:  Stability. Explain: Stable  e/Pool Complexes. Explain: Not Present                                    |

| (c) Flow:                  |                       |           |              |                |                     |  |
|----------------------------|-----------------------|-----------|--------------|----------------|---------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average   | Flow Event   | s per year:    | 2-5                 |  |
| Describe Flow Regime:      | Ephemeral             | Other Inf | ormation o   | on Duration a  | and Volume:         |  |
| Surface Flow is:           | Confined              | Characte  | ristics:     |                |                     |  |
| Subsurface Flow:           | No                    | Explain:  |              |                |                     |  |
| Tributary Has:             |                       |           |              |                |                     |  |
| ☐ Bed and Banks            |                       |           |              |                |                     |  |
| ✓ OHWM: OHWM Inc           | dicators:             |           |              |                |                     |  |
| ☐ Clear, natural line      | impressed on the bank | □ \       | /egetation   | matted dow     | n, bent or absent   |  |
| ✓ Changes in soil cha      | racter                |           | eaf litter d | isturbed or v  | vashed away         |  |
| ☐ Shelving                 |                       | □ P       | resence of   | litter and de  | ebris               |  |
| ☐ Sediment deposition      | on                    | <b>V</b>  | Destruction  | of terrestria  | l vegetation        |  |
| ✓ Sediment sorting         |                       |           | Abrupt char  | nge in plant o | community           |  |
| ☐ Scour                    |                       |           | Multiple ob  | served or pro  | edicted flow events |  |
| ☐ Presence of wrack        | line                  | □ V       | Vater stain  | ing            |                     |  |
| Other (list):              |                       |           |              |                |                     |  |
| ☐ Discontinuous? Ex        | rplain:               |           |              |                |                     |  |
| (iii) Chemical Characteris | tics:                 |           |              |                |                     |  |
| Characterize Tributa       | ry:                   |           |              |                |                     |  |
| Identify Specific Poll     | utants, if known:     |           |              |                |                     |  |
|                            |                       |           |              |                |                     |  |
|                            |                       |           |              |                |                     |  |
|                            |                       |           |              |                |                     |  |
|                            |                       |           |              |                |                     |  |

| Feature ID: 27   |      |
|--|------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |      |
| Riparian Corridor Characteristics:   |      |
| ☐ Wetland Fringe Characteristics:  |      |
| Habitat for:   |      |
| ☐ Federally Listed Species Explain:  |      |
| ☐ Fish/Spawn Areas Explain:  |      |
| ☐ Other environmentally -sensitive species   |      |
| ☐ Aquatic/Wildlife diversity Explain:  |      |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                       |      |
| (i) Physical Characteristics:  |      |
| Wetland Size (ac): Wetland Type, Explain:  |      |
| Wetland Quality, Explain:  |      |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |      |
| Wetland Flow is: Explain:  |      |
| Surface Flow is: Characteristics:  |      |
| Subsurface Flow: Explain Findings:   |      |
| ☐ Wetland Directly Abutting Non-TNW  |      |
| ☐ Wetland Not Directly Abutting Non-TNW  |      |
| ☐ Discrete wetland hydrologic connection Explain:  |      |
| ☐ Ecological connection Explain:   |      |
| ☐ Separated by berm/barrier Explain:   |      |
| Project Wetlands: River Miles from TNW:  |      |
| Project Wetlands: Aerial Miles from TNW:   |      |
| Flow is From:  |      |
| Approximate Location of Wetland within Floodplain:   |      |
| (ii) Chemical Characteristics:   |      |
| Characterize Wetland System:   |      |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |      |
| ☐ Riparian Buffer Explain:   |      |
| ☐ Vegetation type/percent cover. Explain:  |      |
| Habitat for:   |      |
| ☐ Federally Listed Species Explain:  |      |
| ☐ Fish/Spawn Areas Explain:  |      |
| Other environmentally-sensitive species Explain:   |      |
| ☐ Aquatic/Wildlife Diversity Explain:  |      |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                      |      |
| All wetland(s) considered in cumulative analysis:  |      |
| Wetland acres in total being considered in cumulative analysis:  |      |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical function | ns): |
|  |      |
|  |      |
|  |      |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila Rive between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  3. TNWs and Adjacent Wetlands  3. TNWs: Linear Feet Width (ft), Or, Acres  8. Non-RPWs that flow directly or indirectly into TNWs.  4. Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  4. Length (Linear Feet): Width (feet): Acres:  8. Reserved for Section III D 4 (Wetlands directly abutting RPWs):  8. Wetlands adjacent to non-RPWs that flo | SIGNIFICANT NEXUS DETERMIN   | ATION   |
|--|--|---|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  3. TNWs and Adjacent Wetlands  3. TNWs: Linear Feet Width (ft), Or, Acres  4. TNWs and Adjacent to TNWs: Acres  5. Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  3. Non-RPWs that flow directly or indirectly into TNWs.  4. Acres: Reserved for Section III D 4 (Wetlands directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly abutting RPWs):  6. Wetlands adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  5. Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdictional waters.   | _  | non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:    DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands   TNWs:   | between Powers Butte and Gille discharges, in combination with downstream manmade impoun possibility of a hydrologic connectical habitats were identified does not provide lifecycle suppodrainage does not have more the biological integrity of the TNW. | spie Dam. An analysis of peak yearly discharges and potential flood the geomorphology of the Analysis Area, the presence of a significant dment (Tat Momolikot Dam), and the distance to the TNW, suggests that the ction between this drainage and the TNW is tenuous. No pollutants or within the Analysis Area. Additionally, this unnamed ephemeral drainage out functions, nutrients, or organic carbon to species within the TNW. This an a speculative or insubstantial effect on the physical, chemical, and/or Therefore, this unnamed ephemeral drainage does not possess a significant |
| Explain:  DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   |  | •   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional waters.  Demonstration of Jurisdictions:  ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  |  | wetlands adjacent to an RPW but that do not directly abut the RPW.  |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:   |  |   |
| <ul> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.</li></ul>   | Wetlands adjacent to TNW   | : Acres   |
| with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   | 3. Non-RPWs that flow directly   | or indirectly into TNWs.  |
| <ul> <li>□ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.     Estimated size of jurisdictional wetland (in acres):     </li> <li>7. Impoundments of jurisdictional waters.     Demonstration of Jurisdiction:     </li> <li>ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF</li> </ul>  | with a TNW, and is therfore Length (Linear Feet):  Reserved for Section III D 4 (W   | jurisdictional.  Width (feet): Acres:  etlands directly abutting RPWs):   |
| <ul> <li>□ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.     Estimated size of jurisdictional wetland (in acres):     </li> <li>7. Impoundments of jurisdictional waters.     Demonstration of Jurisdiction:     </li> <li>ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF</li> </ul>  | 6. Wetlands adjacent to non-R  | PWs that flow directly or indirectly into TNWs.   |
| Demonstration of Jurisdiction:  ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   | ☐ Wetland adjacent to non-Ri<br>has a significant nexus with   | PWs which, in combination with the tributary and other adjacent wetlands, the TNW.  |
| . ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   | 7. Impoundments of jurisdiction  | onal waters.  |
|  | Demonstration of Jurisdiction  | on:   |
|  | . ISOLATED WATERS. INCLUDING   | ISOLATED WETLANDS. THE USE, DEGRADATION OR DESTRUCTION OF   |
| VHICH COULD AFFECT INTERSTATE COMMERCE   |  |   |
|  |  | Acros   |
| Supporting rationale:  Length (linear feet): Acres:  |  |   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 27   |   |
|--|---|
| As described in Section 30 possess a significant nexu  | C1 above, an analysis of this ephemeral drainage determined that it did not us with the nearest TNW.                                    |
| Explain finding of Other:  |   |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 2408.55 linear feet (ft), 8.20 width (ft) acres acres   |
| SECTION IV: DATA SOURCES   |   |
| ✓ Data Sheets Prepared  ☐ Office Concurs wit   | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. /Submitted on behalf of Applicant h delineation oncur with delineation |
| <ul><li>□ Data Sheets Prepared</li><li>□ Corps Navigable Wate</li><li>□ US Geological Survey</li><li>□ USGS NHD Data</li><li>□ USGS 8 and 12 dig</li></ul> | er Study<br>Hydrologic Atlas  |
|  | Map(s) Scale and Quad Name: tains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                 |
| <ul> <li>□ USDA Nat'l Res Conse</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland I</li> <li>□ FEMA/FIR Maps</li> </ul>                      |   |
| ☐ 100-year Floodplain E  | levation is: (National Geodetic Vertical Datum of 1929)   |
|  | (Name and Date): BING, Microsoft Virtual Earth 2008   |
| Other Photographs  | (Name and Date): Ground Photos; May 2012  |
|  | ons File No. and Date of Response Letter:   |
| ☐ Applicable/Supporting  |   |
| ☐ Applicable/Supporting Other Information, Ple   |   |

| SECTION I: BACKGROUND INFORM   | MATION          |  |             |                       |
|--|-----------------|--|-------------|-----------------------|
| A. Report Completion Date for App  | oroved Jurisdic | tional Determination: 07/30/2  | 012         |                       |
| B. District Office and File No: Los  |                 |  |             |                       |
| C. Project Location and Background   | d Information:  | Drainage Feature 27A   |             |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono  | O'odham Nation, Pima and Pinal   | Counties, A | Arizona               |
| Center coordinates of site: Lat.   | 32.5073         | Long111.9100   |             |                       |
| Name of nearest waterbody: Un  | named Wash 2    | 27A  |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                     | W: Gila River   | between Powers Butte and Gilles  | spie Dam    |                       |
| ✓ Map/Diagram of potential juris   | dictional area  | is available on request  |             |                       |
| D. Review Performed for Site Evalu   |                 | •  |             |                       |
| Office Determination. Date:  | iation.         |  |             |                       |
| Field Determination. Date: 05/3  | 2012            |  |             |                       |
|  |                 |  |             |                       |
| SECTION II: SUMMARY OF FINDING   | <u></u>         |  |             |                       |
| A. RHA Section 10 Determination  |                 |  |             |                       |
| _  |                 | vithin RHA jurisdiction in the revi  | ew area.    |                       |
| B. CWA Section 404 Determination   |                 |  |             |                       |
|  | ne U.S." within | CWA jurisdiction in the review a   | rea.        |                       |
| 1. Waters of the US:   |                 |  |             |                       |
| Linear Feet  |                 | Width (ft) and/or  | Acres       |                       |
| Limits of Jurisdiction based on:   |                 |  |             |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional water</li> </ol> |                 | etlands were assessed and deter  | mined not   | to be jurisdictional: |
|  | it possessed a  | lify as a TNW or RPW. Therefore, significant nexus with a downstrdownstream TNW. |             | •                     |
| SECTION III: CWA ANALYSIS  |                 |  |             |                       |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs     |  |             |                       |
| 1. Identified TNW:   |                 |  |             |                       |
| Rationale for TNW determinat   | tion:           |  |             |                       |
| 2. Rationale for conclusion tha  | nt any wetland  | s present are "adjacent":  |             |                       |
| B. CHARACTERISTICS OF NON-TN   | W TRIBUTARY     | AND ITS ADJACENT WETLANDS  |             |                       |
| TNW Watershed Size (sq mi):  | 49650           | Tributaries flow to TNW:   |             | 4                     |
| Drainage Area (sq mi):   | 0.00026         | River Miles from tributary   | to TNW:     | 30 (or more)          |
| Average Annual Rainfall (in):  | 8.5             | River Miles from tributary   |             |                       |
| Average Annual Snowfall (in):  | 0               | Aerial Miles from tributary<br>Aerial Miles from tributary                       |             | 30 (or more)          |
| ☐ Project waters cross or serv   | ve as state bou |  |             |                       |

Feature ID: 27A

| Feature ID: 27A   |   |   |
|---|---|---|
| Identify flow route to  | TNW:  |   |
| _   | •   | ea are ultimately tributary to the Santa Rosa Wash. Topography flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural   | Explain:                                      |   |
| Average Width (ft):   | 9.40  |   |
| Average Depth (ft):   | 1   |   |
| Average Side Slopes:  | 2:1   |   |
| Primary tributary sub   | strate composition (c                         | heck all that apply):   |
| ✓ Silts ☐ Sands   | •   | ☐ Bedrock ☑ Gravel ☐ Vegetation   |
| ☐ Concrete ☐ M  |   | <b>5</b>  |
|   | •   |   |
| Tributary Condition/S   |   | able  |
| Presence of Run/Riffle  | · -   | •   |
| Tributary Geometry:   | Relatively Straight                           |   |
| Tributary Gradient (ap  | proximate average s                           | slope): 2%  |
| (c) Flow: Tributary Provides for: Describe Flow Regime: Surface Flow is: Subsurface Flow: | Ephemeral Flow<br>Ephemeral<br>Confined<br>No | Average Flow Events per year: 2-5 Other Information on Duration and Volume: Characteristics: Explain:                     |
| Subsurface Flow:  | INO   | Explain:  |
| Tributary Has:  |   |   |
| $\square$ Bed and Banks   |   |   |
| ✓ OHWM: OHWM Inc  | licators:                                     |   |
| $\square$ Clear, natural line i   | mpressed on the ban                           | k $\square$ Vegetation matted down, bent or absent  |
| Changes in soil cha   | racter  | $\square$ Leaf litter disturbed or washed away  |
| $\square$ Shelving  |   | $\square$ Presence of litter and debris   |
| ☐ Sediment deposition   | n .   | ✓ Destruction of terrestrial vegetation   |

✓ Changes in soil character
 ☐ Shelving
 ☐ Presence of litter and debris
 ☐ Sediment deposition
 ✓ Destruction of terrestrial vegetation
 ✓ Sediment sorting
 ☐ Abrupt change in plant community
 ☐ Scour
 ☐ Multiple observed or predicted flow events
 ☐ Presence of wrack line
 ☐ Other (list):
 ☐ Discontinuous? Explain:
 (iii) Chemical Characteristics:
 Characterize Tributary:
 Identify Specific Pollutants, if known:

| Feature ID: 27A                |   |
|--------------------------------|---|
| (iv) Biological Characteristi  | cs. Channel supports (check all that apply):  |
| Riparian Corridor C            | haracteristics:   |
| ☐ Wetland Fringe Cha           | uracteristics:  |
| Habitat for:                   |   |
| ☐ Federally Listed Spe         | cies Explain:   |
| ☐ Fish/Spawn Areas             | Explain:  |
|                                | ally -sensitive species Explain:  |
| ☐ Aquatic/Wildlife div         | ersity Explain:   |
| 2. Characteristics of wetlan   | nds adjacent to non-TNW that flow directly or indirectly into TNW                               |
| (i) Physical Characteristics:  |   |
| Wetland Size (ac):             | Wetland Type, Explain:  |
| Wetland Quality, Expla         | in:   |
| · ·                            | s or Serve as State Boundaries, Explain:  |
| Wetland Flow is:               | Explain:  |
| Surface Flow is:               | Characteristics:  |
| Subsurface Flow:               | Explain Findings:   |
| ☐ Wetland Directly Ab          | utting Non-TNW  |
| ☐ Wetland Not Directl          | y Abutting Non-TNW  |
| ☐ Discrete wetland             | hydrologic connection Explain:  |
| ☐ Ecologcal connect            |   |
| ☐ Separated by ber             |   |
| Project Wetlands: Rive         |   |
| Project Wetlands: Aeri         | al Miles from TNW:  |
| Flow is From:                  | of Watland within Floodulain.   |
|                                | of Wetland within Floodplain:   |
| (ii) Chemical Characteristic   | 5:  |
| Characterize Wetland S         | System:   |
| (iii) Biological Characteristi | cs. Wetland supports (check all that apply):  |
| ☐ Riparian Buffer Ex           | plain:  |
| ☐ Vegetation type/pe           | ercent cover. Explain:  |
| Habitat for:                   |   |
| ☐ Federally Listed S           | pecies Explain:   |
| ☐ Fish/Spawn Areas             |   |
|                                | ntally-sensitive species Explain:   |
| ☐ Aquatic/Wildlife [           | Diversity Explain:  |
| 3. Characteristics of all we   | tlands adjacent to the non-TNW tributary (if any)   |
| All wetland(s) consider        | ed in cumulative analysis:  |
| Wetland acres in total         | being considered in cumulative analysis:  |
| Describe each wetland          | (directly abuts tributary?; size in acres; overall biological, chemical or physical functions): |
|                                |   |
|                                |   |

| 1. Significant nexus findings for non-RPW that has into TNW. Explain:   | no adjacent wetlands and flows directly or indirectly  |
|---|--|
| between Powers Butte and Gillespie Dam. An analyst discharges, in combination with the geomorphology downstream manmade impoundment (Tat Momolik possibility of a hydrologic connection between this critical habitats were identified within the Analysis Adoes not provide lifecycle support functions, nutrier drainage does not have more than a speculative or   | y of the Analysis Area, the presence of a significant kot Dam), and the distance to the TNW, suggests that the drainage and the TNW is tenuous. No pollutants or Area. Additionally, this unnamed ephemeral drainage ints, or organic carbon to species within the TNW. This insubstantial effect on the physical, chemical, and/or amed ephemeral drainage does not possess a significant |
| 2. Significant nexus findings for non-RPW and its acor indirectly into TNW. Explain:  | djacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for wetlands adjacent Explain:  | to an RPW but that do not directly abut the RPW.   |
| <ul> <li>DETERMINATIONS OF JURISDICTIONAL FINDINGS.</li> <li>1. TNWs and Adjacent Wetlands</li> <li>TNWs: Linear Feet</li> <li>Wetlands adjacent to TNWs: Acres</li> </ul>  | Width (ft), Or, Acres  |
| Reserved for Section III D 2 (RPWs):  |  |
| 3. Non-RPWs that flow directly or indirectly into T   | NWs.   |
| ☐ Non-TNW/non-RPW waterbody that flows direct   | tly or indirectly into a TNW and has a signficant nexus  |
| with a TNW, and is therfore jurisdictional.   | et): Acres:  |
| with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (fee   | tting DDM/s).  |
| <u>-</u>  | ttilig KPWS).  |
| Length (Linear Feet): Width (fee  | •  |
| Length (Linear Feet): Width (fee<br>Reserved for Section III D 4 (Wetlands directly abut  | but not directly abutting RPWs):   |
| Length (Linear Feet): Width (feet<br>Reserved for Section III D 4 (Wetlands directly abut<br>Reserved for Section III D 5 (Wetlands adjacent to least to | but not directly abutting RPWs):   |
| Length (Linear Feet): Width (feet Reserved for Section III D 4 (Wetlands directly abut Reserved for Section III D 5 (Wetlands adjacent to B. Wetlands adjacent to non-RPWs that flow direct Wetland adjacent to non-RPWs which, in combining the section of the secti      | but not directly abutting RPWs):  ctly or indirectly into TNWs.  ination with the tributary and other adjacent wetlands,   |
| Length (Linear Feet): Width (feet Reserved for Section III D 4 (Wetlands directly abut Reserved for Section III D 5 (Wetlands adjacent to B. Wetlands adjacent to non-RPWs that flow direct Wetland adjacent to non-RPWs which, in combination a significant nexus with the TNW.  | but not directly abutting RPWs):  ctly or indirectly into TNWs.  ination with the tributary and other adjacent wetlands,   |

Non-Jurisdictional Waters:

Supporting rationale: Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 27A  |                      |                   |             |                 |                 |            |
|--|----------------------|-------------------|-------------|-----------------|-----------------|------------|
| As described in Section 30 possess a significant nexus                     | •                    |                   | eral draina | age determine   | d that it did r | not        |
| Explain finding of Other:  |                      |                   |             |                 |                 |            |
| ✓ Non-wetland waters   | 769.38               | linear feet (ft), | 9.40        | width (ft)      |                 |            |
| Other waters   |                      | acres             |             |                 |                 |            |
| ☐ Wetlands   |                      | acres             |             |                 |                 |            |
| SECTION IV: DATA SOURCES   |                      |                   |             |                 |                 |            |
| ✓ Maps, Plans, Plots or P  | Plat Submitted by    | Applicant/Cons    | ultant: V   | estLand Reso    | urces, Inc.     |            |
| ✓ Data Sheets Prepared/  |                      | half of Applicant |             |                 |                 |            |
| Office Concurs with  |                      |                   |             |                 |                 |            |
| ☐ Office Does Not Co   |                      | ation             |             |                 |                 |            |
| <ul><li>☐ Data Sheets Prepared</li><li>☐ Corps Navigable Wate</li></ul>    |                      |                   |             |                 |                 |            |
| ☐ US Geological Survey F   | •                    |                   |             |                 |                 |            |
| ☐ USGS NHD Data  | Tydrologic / tilds   |                   |             |                 |                 |            |
| USGS 8 and 12 dig  | it HUC Map           |                   |             |                 |                 |            |
| _  | ·                    | d Ouad Name       |             |                 |                 |            |
| ✓ US Geological Survey N<br>Silver Reef Mountain                           | •                    |                   | Rosa Mour   | ntains NW 7 5-  | Minute Quad     | frangles   |
|  |                      |                   |             | 101113 1444 7.5 | Timate Quud     | in unifico |
| ☐ USDA Nat'l Res Conser  |                      | •                 | on:         |                 |                 |            |
| <ul><li>☐ National Wetlands Inv</li><li>☐ State/Local Wetland In</li></ul> |                      | Cite Map Name:    |             |                 |                 |            |
| ☐ FEMA/FIR Maps  | iveritory iviaps     |                   |             |                 |                 |            |
| ☐ 100-year Floodplain El   | evation is:          |                   | (Nationa    | l Geodetic Ver  | tical Datum c   | of 1929)   |
| ✓ Aerial Photographs (   |                      | BING, Microsoft   | Virtual Ea  | rth 2008        |                 |            |
| Other Photographs (  | Name and Date):      | Ground Photos;    | May 2012    | •               |                 |            |
| Previous Determination   |                      | Date of Response  | Letter:     |                 |                 |            |
| Applicable/Supporting  |                      |                   |             |                 |                 |            |
| $\sqcup$ Applicable/Supporting   | , Scientific Literat | ure Citation:     |             |                 |                 |            |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION  |                         |
|--|-------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                         |
| B. District Office and File No: Los Angeles District, File No. Pending   |                         |
| C. Project Location and Background Information: Drainage Feature 28  |                         |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties,  | , Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                         |
| Name of nearest waterbody: Unnamed Wash 28   |                         |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam  |                         |
| HUC Code: 15050306   |                         |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                         |
| D. Review Performed for Site Evaluation:   |                         |
| Office Determination. Date:  |                         |
| Field Determination. Date: 05/2012   |                         |
|  |                         |
| SECTION II: SUMMARY OF FINDINGS  |                         |
| A. RHA Section 10 Determination of Jurisdiction  |                         |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.  |                         |
| B. CWA Section 404 Determination of Jurisdiction   |                         |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.  |                         |
| 1. Waters of the US:   |                         |
| Linear Feet Width (ft) and/or Acres  |                         |
| Limits of Jurisdiction based on:   |                         |
| <ol> <li>Non-Regulated Waters/Wetlands:</li> <li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined no</li> </ol>  | t to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drain considered jurisdictional if it possessed a significant nexus with a downstream TNW not possess a significant nexus with the downstream TNW. | •                       |
| SECTION III: CWA ANALYSIS  |                         |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                         |
| 1. Identified TNW:   |                         |
| Rationale for TNW determination:   |                         |
| 2. Dationale for any decimath at any continued agreement and the discount.   |                         |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                         |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                         |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                       |
| Drainage Area (sq mi): 0.00064 River Miles from tributary to TNW:  | 30 (or more)            |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW: Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW:   | : 30 (or more)          |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW:  Aerial Miles from tributary to RPW:   |                         |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                         |

Feature ID: 28

| Identify flow route to   |   | مماييداد                            | V 200 020 1                     | ultima at alv. tribuut | 0 m / + 0 + l | ha Canta Di | oso Wash Tanagr | -anh. |
|--|---|-------------------------------------|---------------------------------|------------------------|---------------|-------------|-----------------|-------|
| Unnamed drainages w<br>suggests the most like<br>River.                        |   | •                                   |                                 | •                      | •             |             |                 |       |
| Tributary is: Natural  | Expl  | lain:                               |                                 |                        |               |             |                 |       |
| Average Width (ft):  | 6.73  |                                     |                                 |                        |               |             |                 |       |
| Average Depth (ft):  | 1   |                                     |                                 |                        |               |             |                 |       |
|  |   |                                     |                                 |                        |               |             |                 |       |
| _  |   | ositior                             | n (check all                    | l that apply):         |               |             |                 |       |
| Primary tributary subs   | trate comp                                    |                                     | Bedro                           |                        | I 🗆 '         | Vegetation  | n               |       |
|  | trate comp<br>Cobb<br>uck Otl                 | oles<br>her, Ex                     | Bedro                           |                        | I 🗆           | Vegetation  | n               |       |
| Primary tributary subs  ✓ Silts ☐ Sands ☐ Concrete ☐ M                         | trate comp<br>Cobbuck Otluck Otlability. Expl | oles<br>her, Ex<br>lain:            | ☐ Bedro  cplain:  Stable        |                        | I             | Vegetation  | 1               |       |
| Primary tributary subs  ☑ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/St | trate comp<br>Cobbuck Otluck Otlability. Expl | oles<br>her, Ex<br>lain:<br>plexes. | Bedro  splain:  Stable Explain: | ock <b>⊻</b> Grave     | I 🗆           | Vegetation  | 1               |       |

(c) Flow:

| Tributary Provides for:    | Ephemeral Flow        | Average    | Flow Ev  | ents per ye | ear:    | 2-5                |  |
|----------------------------|-----------------------|------------|----------|-------------|---------|--------------------|--|
| Describe Flow Regime:      | Ephemeral             | Other Inf  | ormatic  | n on Dura   | tion an | nd Volume:         |  |
| Surface Flow is:           | Confined              | Characte   | ristics: |             |         |                    |  |
| Subsurface Flow:           | No                    | Explain:   |          |             |         |                    |  |
| Tributary Has:             |                       |            |          |             |         |                    |  |
| D Bed and Banks            |                       |            |          |             |         |                    |  |
| ✓ OHWM: OHWM Inc           | dicators:             |            |          |             |         |                    |  |
|                            | impressed on the bank |            | /egetati | on matted   | down,   | bent or absent     |  |
| Changes in soil cha        | -                     |            | _        |             |         | shed away          |  |
| ☐ Shelving                 |                       |            |          | of litter a |         | •                  |  |
| ☐ Sediment deposition      | on                    | <b>~</b> [ | Destruct | ion of terr | estrial | vegetation         |  |
| Sediment sorting           |                       |            | Abrupt c | hange in p  | lant co | mmunity            |  |
| ☐ Scour                    |                       |            | Multiple | observed    | or pred | dicted flow events |  |
| ☐ Presence of wrack        | line                  | □ V        | Vater st | aining      |         |                    |  |
| Other (list):              |                       |            |          |             |         |                    |  |
| ☐ Discontinuous? Ex        | kplain:               |            |          |             |         |                    |  |
| (iii) Chemical Characteris | etics:                |            |          |             |         |                    |  |
| Characterize Tributa       |                       |            |          |             |         |                    |  |
| Identify Specific Poll     |                       |            |          |             |         |                    |  |
|                            |                       |            |          |             |         |                    |  |
|                            |                       |            |          |             |         |                    |  |
|                            |                       |            |          |             |         |                    |  |
|                            |                       |            |          |             |         |                    |  |

| Feature ID: 28   |           |
|--|-----------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                    |           |
| Riparian Corridor Characteristics:   |           |
| ☐ Wetland Fringe Characteristics:  |           |
| Habitat for:   |           |
| ☐ Federally Listed Species Explain:  |           |
| ☐ Fish/Spawn Areas Explain:  |           |
| ☐ Other environmentally -sensitive species   |           |
| ☐ Aquatic/Wildlife diversity Explain:  |           |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                 |           |
| (i) Physical Characteristics:  |           |
| Wetland Size (ac): Wetland Type, Explain:  |           |
| Wetland Quality, Explain:  |           |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |           |
| Wetland Flow is: Explain:  |           |
| Surface Flow is: Characteristics:  |           |
| Subsurface Flow: Explain Findings:   |           |
| ☐ Wetland Directly Abutting Non-TNW  |           |
| ☐ Wetland Not Directly Abutting Non-TNW  |           |
| ☐ Discrete wetland hydrologic connection Explain:  |           |
| ☐ Ecologcal connection Explain:  |           |
| ☐ Separated by berm/barrier Explain:   |           |
| Project Wetlands: River Miles from TNW:  |           |
| Project Wetlands: Aerial Miles from TNW:   |           |
| Flow is From:  |           |
| Approximate Location of Wetland within Floodplain:   |           |
| (ii) Chemical Characteristics:   |           |
| Characterize Wetland System:   |           |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                   |           |
| ☐ Riparian Buffer Explain:   |           |
| ☐ Vegetation type/percent cover. Explain:  |           |
| Habitat for:   |           |
| ☐ Federally Listed Species Explain:  |           |
| ☐ Fish/Spawn Areas Explain:  |           |
| ☐ Other environmentally-sensitive species Explain:   |           |
| ☐ Aquatic/Wildlife Diversity Explain:  |           |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                |           |
| All wetland(s) considered in cumulative analysis:  |           |
| Wetland acres in total being considered in cumulative analysis:  |           |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fu | nctions): |
|  |           |
|  |           |
|  |           |

| SIGNIFICANT NEXUS DETERI  | MINATION  |
|---|---|
| 1. Significant nexus findings into TNW. Explain:  | for non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and of discharges, in combination of downstream manmade impossibility of a hydrologic contrical habitats were identified on the provide lifecycle sudrainage does not have more biological integrity of the TN | ainage is located more than 100 river miles from the nearest TNW, the Gila River Gillespie Dam. An analysis of peak yearly discharges and potential flood with the geomorphology of the Analysis Area, the presence of a significant bundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the nnection between this drainage and the TNW is tenuous. No pollutants or ed within the Analysis Area. Additionally, this unnamed ephemeral drainage pport functions, nutrients, or organic carbon to species within the TNW. This e than a speculative or insubstantial effect on the physical, chemical, and/or W. Therefore, this unnamed ephemeral drainage does not possess a significant f the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings or indirectly into TNW. Expl  | for non-RPW and its adjacent wetlands, where the non-RPW flows directly ain:  |
| 3. Significant nexus findings Explain:  | for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
|   |   |
|   | DICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| 1. TNWs and Adjacent Wetl   |   |
|   | near Feet Width (ft), Or, Acres   |
| Wetlands adjacent to TI   |   |
| Reserved for Section III D 2 (  | RPWs):  |
| 3. Non-RPWs that flow dire  | ctly or indirectly into TNWs.   |
| <u> </u>  | erbody that flows directly or indirectly into a TNW and has a signficant nexus  |
| with a TNW, and is therform Length (Linear Feet):   | Width (feet): Acres:  |
|   | (Wetlands directly abutting RPWs):  |
|   | (Wetlands adjacent to but not directly abutting RPWs):  |
|   | n-RPWs that flow directly or indirectly into TNWs.  |
| ·   | n-RPWs which, in combination with the tributary and other adjacent wetlands,  |
| has a significant nexus v   |   |
| Estimated size of jurisdi   | ctional wetland (in acres):   |
| 7. Impoundments of jurisd   | ctional waters.   |
| Demonstration of Jurisd   | iction:   |
| ISOLATED WATERS INCLUD  | ING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   |
| HICH COULD AFFECT INTERS  |   |
|   |   |
| Supporting rationale:   |   |
| Length (linear feet):   | Acres:  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 28   |  |
|--|--|
| As described in Section 30 possess a significant nexu  | C1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW.                            |
| Explain finding of Other:  |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>                           | 2645.28 linear feet (ft), 6.73 width (ft) acres acres  |
| SECTION IV: DATA SOURCES   |  |
| ✓ Data Sheets Prepared,  ☐ Office Concurs with   | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  /Submitted on behalf of Applicant  In delineation  Induction |
| □ Data Sheets Prepared □ Corps Navigable Wate □ US Geological Survey □ □ USGS NHD Data □ USGS 8 and 12 dig | r Study<br>Hydrologic Atlas  |
|  | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                         |
| ☐ USDA Nat'l Res Consei☐ National Wetlands Inv☐ State/Local Wetland II☐ FEMA/FIR Maps                      |  |
| ☐ 100-year Floodplain E  | evation is: (National Geodetic Vertical Datum of 1929)   |
| •  | Name and Date): BING, Microsoft Virtual Earth 2008   |
| <u> </u>   | Name and Date): Ground Photos; May 2012  |
| ☐ Applicable/Supporting  | ons File No. and Date of Response Letter:  |
| ☐ Applicable/Supporting  |  |
| Other Information, Ple   |  |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>   |                                       |               |             |                    |
|---|-----------------|---------------------------------------|---------------|-------------|--------------------|
| A. Report Completion Date for App   | oroved Jurisdic | ctional Determination:                | 07/30/201     | 2           |                    |
| B. District Office and File No: Los   | Angeles Distri  | ct, File No. Pending                  |               |             |                    |
| C. Project Location and Background  | d Information   | Drainage Feature 28                   | BA            |             |                    |
| City, County, State Sif Oidak Dis   | strict, Tohono  | O'odham Nation, Pima a                | and Pinal Co  | unties, Ari | zona               |
| Center coordinates of site: Lat.  | 32.5073         | Long111.9100                          |               |             |                    |
| Name of nearest waterbody: Un   | named Wash      | 28A                                   |               |             |                    |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River   | between Powers Butte                  | and Gillespie | e Dam       |                    |
| ✓ Map/Diagram of potential juris  | dictional area  | is available on request               |               |             |                    |
| D. Review Performed for Site Evalu  | ation:          |                                       |               |             |                    |
| Office Determination. Date:   |                 |                                       |               |             |                    |
| Field Determination. Date: 05/2   | 2012            |                                       |               |             |                    |
| SECTION II: SUMMARY OF FINDING  | GS              |                                       |               |             |                    |
| A. RHA Section 10 Determination   |                 | 1                                     |               |             |                    |
| There Are No "navigable waters  |                 |                                       | the review    | area.       |                    |
| B. CWA Section 404 Determination  | n of Jurisdicti | on                                    |               |             |                    |
| There Are No "waters of the   | ne U.S." withir | CWA jurisdiction in the               | review area   |             |                    |
| 1. Waters of the US:  |                 |                                       |               |             |                    |
| Linear Feet   |                 | Width (ft) and/or                     | Α             | cres        |                    |
| Limits of Jurisdiction based on:  |                 |                                       |               |             |                    |
| 2. Non-Regulated Waters/Wet   | lands:          |                                       |               |             |                    |
| ✓ Potentially jurisdictional wa   |                 | vetlands were assessed a              | ınd determir  | ned not to  | be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a  | significant nexus with a              |               | _           |                    |
| SECTION III: CWA ANALYSIS   |                 |                                       |               |             |                    |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs     |                                       |               |             |                    |
| 1. Identified TNW:  |                 |                                       |               |             |                    |
| Rationale for TNW determinat  | ion:            |                                       |               |             |                    |
| 2. Rationale for conclusion tha   | it any wetland  | ls present are "adjacent'             | ':            |             |                    |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY     | AND ITS ADJACENT WET                  | TLANDS        |             |                    |
| TNW Watershed Size (sq mi):   | 49650           | Tributaries flow t                    |               | 4           |                    |
| Drainage Area (sq mi):  | 0.00033<br>8.5  | River Miles from                      | •             |             | 0 (or more)        |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 0               | River Miles from<br>Aerial Miles from | •             |             | 0 (or more)        |
| , werage / amaar snowram (m).   | ~               | Aerial Miles from                     | •             |             | - (oorc)           |
| ☐ Project waters cross or serv  | ve as state boo | undaries. Explain:                    |               |             |                    |

Feature ID: 28A

| •  | within the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topographyely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila            |
|--|--|
| River.   |  |
| Tributary is: Natural  | Explain:   |
| Average Width (ft):  | 7.42   |
| Average Depth (ft):  | 1  |
| 6:1 61   | 2.4  |
| Primary tributary sub  | strate composition (check all that apply):   |
| Primary tributary sub  ✓ Silts □ Sands                                       | strate composition (check all that apply):   |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N                        | estrate composition (check all that apply): □ Cobbles □ Bedrock ☑ Gravel □ Vegetation  Muck Other, Explain:  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  ─ributary Condition/S | estrate composition (check all that apply): □ Cobbles □ Bedrock ☑ Gravel □ Vegetation  Muck Other, Explain:  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Fributary Condition/S                        | estrate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  Muck Other, Explain:  Stability. Explain: Stable  e/Pool Complexes. Explain: Not Present |

| (c) Flow:                  |                       |           |           |             |           |                   |
|----------------------------|-----------------------|-----------|-----------|-------------|-----------|-------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average   | Flow Ev   | ents per ye | ear:      | 2-5               |
| Describe Flow Regime:      | Ephemeral             | Other Inf | ormatic   | n on Dura   | tion and  | d Volume:         |
| Surface Flow is:           | Confined              | Characte  | ristics:  |             |           |                   |
| Subsurface Flow:           | No                    | Explain:  |           |             |           |                   |
| Tributary Has:             |                       |           |           |             |           |                   |
| ☐ Bed and Banks            |                       |           |           |             |           |                   |
| ✓ OHWM: OHWM Inc           | dicators:             |           |           |             |           |                   |
| ☐ Clear, natural line      | impressed on the bank | □ \       | /egetati  | on matted   | down,     | bent or absent    |
| Changes in soil cha        | racter                |           | eaf litte | r disturbe  | d or was  | shed away         |
| $\square$ Shelving         |                       | □ P       | resence   | of litter a | nd debr   | is                |
| ☐ Sediment deposition      | on                    | <b>v</b>  | estruct   | ion of terr | estrial v | egetation         |
| ✓ Sediment sorting         |                       |           | Abrupt c  | hange in p  | lant cor  | nmunity           |
| ☐ Scour                    |                       |           | Лultiple  | observed    | or pred   | icted flow events |
| ☐ Presence of wrack        | line                  | □ V       | Vater st  | aining      |           |                   |
| Other (list):              |                       |           |           |             |           |                   |
| ☐ Discontinuous? Ex        | rplain:               |           |           |             |           |                   |
| (iii) Chemical Characteris | tics:                 |           |           |             |           |                   |
| Characterize Tributa       | ry:                   |           |           |             |           |                   |
| Identify Specific Poll     | •                     |           |           |             |           |                   |
|                            |                       |           |           |             |           |                   |
|                            |                       |           |           |             |           |                   |
|                            |                       |           |           |             |           |                   |
|                            |                       |           |           |             |           |                   |

| Feature ID: 28A  |             |
|--|-------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |             |
| Riparian Corridor Characteristics:   |             |
| ☐ Wetland Fringe Characteristics:  |             |
| Habitat for:   |             |
| Federally Listed Species Explain:  |             |
| ☐ Fish/Spawn Areas Explain:  |             |
| Other environmentally -sensitive species Explain:  |             |
| ☐ Aquatic/Wildlife diversity Explain:  |             |
| <ul><li>2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW</li><li>(i) Physical Characteristics:</li></ul> |             |
| Wetland Size (ac): Wetland Type, Explain:  |             |
| Wetland Quality, Explain:  |             |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |             |
| Wetland Flow is: Explain:  |             |
| Surface Flow is: Characteristics:  |             |
| Subsurface Flow: Explain Findings:   |             |
| ☐ Wetland Directly Abutting Non-TNW  |             |
| ☐ Wetland Not Directly Abutting Non-TNW  |             |
| ☐ Discrete wetland hydrologic connection Explain:  |             |
| ☐ Ecologcal connection Explain:  |             |
| ☐ Separated by berm/barrier Explain:   |             |
| Project Wetlands: River Miles from TNW:  |             |
| Project Wetlands: Aerial Miles from TNW:   |             |
| Flow is From:  |             |
| Approximate Location of Wetland within Floodplain:   |             |
| (ii) Chemical Characteristics:   |             |
| Characterize Wetland System:   |             |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |             |
| ☐ Riparian Buffer Explain:   |             |
| ☐ Vegetation type/percent cover. Explain:  |             |
| Habitat for:   |             |
| ☐ Federally Listed Species Explain:  |             |
| ☐ Fish/Spawn Areas Explain:  |             |
| <ul><li>☐ Other environmentally-sensitive species Explain:</li><li>☐ Aquatic/Wildlife Diversity Explain:</li></ul>                                   |             |
|  |             |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |             |
| All wetland(s) considered in cumulative analysis:  |             |
| Wetland acres in total being considered in cumulative analysis:  |             |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical  | functions): |
|  |             |
|  |             |

| C. SIGNIFICANT NEXUS DETERMINATION   |   |
|--|---|
| 1. Significant nexus findings for non-RPW that has no adjacent wetland into TNW. Explain:  | ds and flows directly or indirectly   |
| This unnamed ephemeral drainage is located more than 100 river miles between Powers Butte and Gillespie Dam. An analysis of peak yearly dis discharges, in combination with the geomorphology of the Analysis Aredownstream manmade impoundment (Tat Momolikot Dam), and the dipossibility of a hydrologic connection between this drainage and the TN critical habitats were identified within the Analysis Area. Additionally, the does not provide lifecycle support functions, nutrients, or organic carbodrainage does not have more than a speculative or insubstantial effect of biological integrity of the TNW. Therefore, this unnamed ephemeral drainexus with the TNW reach of the Gila River between Powers Butte and | scharges and potential flood<br>a, the presence of a significant<br>stance to the TNW, suggests that the<br>W is tenuous. No pollutants or<br>his unnamed ephemeral drainage<br>on to species within the TNW. This<br>con the physical, chemical, and/or<br>hinage does not possess a significant |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, wor indirectly into TNW. Explain:   | where the non-RPW flows directly  |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that Explain:  | do not directly abut the RPW.   |
| D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATE   | RS/WETLANDS ARE   |
| 1. TNWs and Adjacent Wetlands  |   |
| ☐ TNWs: Linear Feet Width (ft), Or, ☐ Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):   | Acres   |
| ·  |   |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  |   |
| ☐ Non-TNW/non-RPW waterbody that flows directly or indirectly into with a TNW, and is therfore jurisdictional.   | a TNW and has a signficant nexus  |
| Length (Linear Feet): Width (feet):  | Acres:  |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |   |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abut   | ting RPWs):   |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into   | o TNWs.   |
| Wetland adjacent to non-RPWs which, in combination with the trib<br>has a significant nexus with the TNW.  | utary and other adjacent wetlands,  |
| Estimated size of jurisdictional wetland (in acres):   |   |
| 7. Impoundments of jurisdictional waters.  |   |
| Demonstration of Jurisdiction:   |   |
| E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGR<br>WHICH COULD AFFECT INTERSTATE COMMERCE   | ADATION OR DESTRUCTION OF   |
| Supporting rationale:  |   |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 28A  |   |   |      |
|--|---|---|------|
| As described in Section 3C1 possess a significant nexus v  |   | ral drainage determined that it did not |      |
| Explain finding of Other:  |   |   |      |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 1241.02 linear feet (ft), acres acres   | 7.42 width (ft)                         |      |
| SECTION IV: DATA SOURCES   |   |   |      |
| Data Sheets Prepared/Su  ☐ Office Concurs with out ☐ Office Does Not Concurs ☐ Data Sheets Prepared by ☐ Corps Navigable Water Survey Hy ☐ US Geological Survey Hy ☐ USGS NHD Data ☐ USGS 8 and 12 digit out ☐ US Geological Survey Ma | ur with delineation the Corps tudy drologic Atlas HUC Map p(s) Scale and Quad Name: | osa Mountains NW 7.5-Minute Quadran     | gles |
| □ USDA Nat'l Res Conserva □ National Wetlands Inven □ State/Local Wetland Inve □ FEMA/FIR Maps □ 100-year Floodplain Elev  | tion Service Soil Survey Citation<br>tory Maps Cite Map Name:<br>entory Maps        |   |      |
|  | me and Date): BING, Microsoft V   |   |      |
| _  | me and Date): Ground Photos; N  | ·                                       |      |
| ☐ Applicable/Supporting C  | File No. and Date of Response I ase Law Citation:                                   | Letter:                                 |      |
| ☐ Applicable/Supporting C  |   |   |      |

Other Information, Please Specify:

| SECTION I: BACKGROUND INFORMATION  |                             |
|--|-----------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                             |
| B. District Office and File No: Los Angeles District, File No. Pending   |                             |
| C. Project Location and Background Information: Drainage Feature 29  |                             |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Count  | ties, Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                             |
| Name of nearest waterbody: Unnamed Wash 29   |                             |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie D  | am                          |
| HUC Code: 15050306   |                             |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                             |
| D. Review Performed for Site Evaluation:   |                             |
| Office Determination. Date:  |                             |
| Field Determination. Date: 05/2012   |                             |
|  |                             |
| SECTION II: SUMMARY OF FINDINGS  |                             |
| A. RHA Section 10 Determination of Jurisdiction  There are No "povigoble waters of the U.S." within BUA jurisdiction in the review or  |                             |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review are  | ed.                         |
| B. CWA Section 404 Determination of Jurisdiction   |                             |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.  |                             |
| 1. Waters of the US:   |                             |
| Linear Feet Width (ft) and/or Acre   | 2S                          |
| Limits of Jurisdiction based on:   |                             |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined</li></ul>   | I not to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this d considered jurisdictional if it possessed a significant nexus with a downstream T not possess a significant nexus with the downstream TNW. |                             |
| SECTION III: CWA ANALYSIS  |                             |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                             |
| 1. Identified TNW:   |                             |
| Rationale for TNW determination:   |                             |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                             |
| 2. Nationale for conclusion that any wetlands present are adjacent.  |                             |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                             |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                           |
| Drainage Area (sq mi): 0.00179 River Miles from tributary to TN Average Annual Rainfall (in): 8.5 River Miles from tributary to RP   |                             |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RP Average Annual Snowfall (in): 0 Aerial Miles from tributary to TI   |                             |
| Aerial Miles from tributary to RI  |                             |
| Project waters cross or serve as state boundaries. Explain:  |                             |

Feature ID: 29

| Unnamed drainages s<br>suggests the most lik<br>River.                                  | •   |   |             |              |  |
|---|---|---|-------------|--------------|--|
| Tributary is: Natural   | Explain:  |   |             |              |  |
| Average Width (ft):   | 7.41  |   |             |              |  |
| Average Depth (ft):   | 1   |   |             |              |  |
| Average Side Slopes:  | 2:1   |   |             |              |  |
| Primary tributary sub   | strate compositio   | •   |             | □ Vegetation |  |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N                                   | Strate composition  Cobbles  Muck Other, I  | ☐ Bedroo                                  |             | ☐ Vegetation |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Fributary Condition/S            | Strate composition  Cobbles  Muck Other, I  | ☐ Bedroo                                  | ck ☑ Gravel | ☐ Vegetation |  |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/S Presence of Run/Riff | Strate composition  Cobbles  Muck Other, I  Stability. Explain: e/Pool Complexe       | Bedroo  Explain:  Stable s. Explain:      |             | ☐ Vegetation |  |
| Primary tributary sub  Silts  Sands   | Cobbles  Cobbles  Muck Other, I  Stability. Explain: e/Pool Complexe  Relatively Stra | Bedroo  Explain:  Stable s. Explain: ight | ck ☑ Gravel | ☐ Vegetation |  |

| (c) Flow:                  |                       |                                       |                 |               |   |  |  |  |
|----------------------------|-----------------------|---------------------------------------|-----------------|---------------|---|--|--|--|
| Tributary Provides for:    | Ephemeral Flow        | Average                               |                 |               |   |  |  |  |
| Describe Flow Regime:      | Ephemeral             | Other Information o                   |                 |               | Other Information on Duration and Volume: |  |  |  |
| Surface Flow is:           | Confined              | Characte                              | ristics:        |               |   |  |  |  |
| Subsurface Flow:           | No                    | Explain:                              |                 |               |   |  |  |  |
| Tributary Has:             |                       |                                       |                 |               |   |  |  |  |
|                            |                       |                                       |                 |               |   |  |  |  |
| ✓ OHWM: OHWM Inc           | dicators:             |                                       |                 |               |   |  |  |  |
|                            | impressed on the bank | $\square$ $\lor$                      | egetation m     | atted down,   | bent or absent                            |  |  |  |
| Changes in soil changes    | •                     |                                       | eaf litter dist | -             |   |  |  |  |
| ☐ Shelving                 |                       | □ P                                   | resence of li   | tter and deb  | ris                                       |  |  |  |
| ☐ Sediment depositi        | on                    | Destruction of terrestrial vegetation |                 |               |   |  |  |  |
| Sediment sorting           |                       |                                       | Abrupt chang    | e in plant co | mmunity                                   |  |  |  |
| ☐ Scour                    |                       |                                       | ∕Iultiple obse  | rved or pred  | licted flow events                        |  |  |  |
| ☐ Presence of wrack        | line                  | □ <b>v</b>                            | Vater stainin   | g             |   |  |  |  |
| Other (list):              |                       |                                       |                 |               |   |  |  |  |
| ☐ Discontinuous? Ex        | xplain:               |                                       |                 |               |   |  |  |  |
| (iii) Chemical Characteris | stics:                |                                       |                 |               |   |  |  |  |
| •                          |                       |                                       |                 |               |   |  |  |  |
| Characterize Tributa       |                       |                                       |                 |               |   |  |  |  |
| Identify Specific Poll     | utants, if known:     |                                       |                 |               |   |  |  |  |
|                            |                       |                                       |                 |               |   |  |  |  |
|                            |                       |                                       |                 |               |   |  |  |  |
|                            |                       |                                       |                 |               |   |  |  |  |
|                            |                       |                                       |                 |               |   |  |  |  |

| Feature ID: 29   |     |
|--|-----|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |     |
| Riparian Corridor Characteristics:   |     |
| ☐ Wetland Fringe Characteristics:  |     |
| Habitat for:   |     |
| ☐ Federally Listed Species Explain:  |     |
| ☐ Fish/Spawn Areas Explain:  |     |
| ☐ Other environmentally -sensitive species Explain:  |     |
| ☐ Aquatic/Wildlife diversity Explain:  |     |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                       |     |
| (i) Physical Characteristics:  |     |
| Wetland Size (ac): Wetland Type, Explain:  |     |
| Wetland Quality, Explain:  |     |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |     |
| Wetland Flow is: Explain:  |     |
| Surface Flow is: Characteristics:  |     |
| Subsurface Flow: Explain Findings:   |     |
| ☐ Wetland Directly Abutting Non-TNW  |     |
| ☐ Wetland Not Directly Abutting Non-TNW  |     |
| ☐ Discrete wetland hydrologic connection Explain:  |     |
| ☐ Ecological connection Explain:   |     |
| ☐ Separated by berm/barrier Explain:   |     |
| Project Wetlands: River Miles from TNW:  |     |
| Project Wetlands: Aerial Miles from TNW:   |     |
| Flow is From:  |     |
| Approximate Location of Wetland within Floodplain:   |     |
| (ii) Chemical Characteristics:   |     |
| Characterize Wetland System:   |     |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |     |
| ☐ Riparian Buffer Explain:   |     |
| ☐ Vegetation type/percent cover. Explain:  |     |
| Habitat for:   |     |
| ☐ Federally Listed Species Explain:  |     |
| ☐ Fish/Spawn Areas Explain:  |     |
| Other environmentally-sensitive species Explain:   |     |
| ☐ Aquatic/Wildlife Diversity Explain:  |     |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                      |     |
| All wetland(s) considered in cumulative analysis:  |     |
| Wetland acres in total being considered in cumulative analysis:  |     |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical function | s): |
|  |     |
|  |     |
|  |     |

|            | SIGNIFICANT NEXUS DETERMINATION  |
|------------|--|
|            | 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNW. Explain:  |
|            | This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. |
|            | 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:   |
|            | 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  |
| <b>)</b> . | DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
|            | 1. TNWs and Adjacent Wetlands  |
|            | ☐ TNWs: Linear Feet Width (ft), Or, Acres  |
|            | Wetlands adjacent to TNWs: Acres   |
|            | Reserved for Section III D 2 (RPWs):   |
|            | 3. Non-RPWs that flow directly or indirectly into TNWs.  |
|            | <ul> <li>□ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.</li> </ul>  |
|            | Length (Linear Feet): Width (feet): Acres:   |
|            | Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |
|            | Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |
|            | 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   |
|            | ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.   |
|            | Estimated size of jurisdictional wetland (in acres):   |
|            | 7. Impoundments of jurisdictional waters.  |
|            |  |
|            | Demonstration of Jurisdiction:   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 29                  |                     |                    |             |                   |                 |  |
|---------------------------------|---------------------|--------------------|-------------|-------------------|-----------------|--|
| As described in Section 3C      | •                   | •                  | eral draina | ge determined th  | at it did not   |  |
| possess a significant nexus     | s with the nearest  | INW.               |             |                   |                 |  |
| Explain finding of Other:       |                     |                    |             |                   |                 |  |
| ✓ Non-wetland waters            | 6741.81 I           | inear feet (ft),   | 7.41        | width (ft)        |                 |  |
| $\square$ Other waters          |                     | acres              |             |                   |                 |  |
| ☐ Wetlands                      | (                   | acres              |             |                   |                 |  |
| SECTION IV: DATA SOURCES        |                     |                    |             |                   |                 |  |
| ✓ Maps, Plans, Plots or P       | lat Submitted by    | Applicant/Consu    | ıltant: W   | estLand Resource  | es. Inc.        |  |
| ✓ Data Sheets Prepared/         |                     |                    |             |                   | ,               |  |
| ☐ Office Concurs with           |                     | • •                |             |                   |                 |  |
| ☐ Office Does Not Co            | ncur with delinea   | tion               |             |                   |                 |  |
| ☐ Data Sheets Prepared          | by the Corps        |                    |             |                   |                 |  |
| ☐ Corps Navigable Water         | r Study             |                    |             |                   |                 |  |
| ☐ US Geological Survey F        | lydrologic Atlas    |                    |             |                   |                 |  |
| USGS NHD Data                   |                     |                    |             |                   |                 |  |
| $\square$ USGS 8 and 12 digi    | t HUC Map           |                    |             |                   |                 |  |
| ✓ US Geological Survey N        | Лар(s) Scale and    | l Quad Name:       |             |                   |                 |  |
| Silver Reef Mounta              | ains SE, North Kor  | nelik, and Santa R | osa Mount   | tains NW 7.5-Min  | ute Quadrangles |  |
| ☐ USDA Nat'l Res Conser         | vation Service So   | Il Survey Citatio  | n:          |                   |                 |  |
| ☐ National Wetlands Inve        |                     | ite Map Name:      |             |                   |                 |  |
| ☐ State/Local Wetland In        |                     | •                  |             |                   |                 |  |
| ☐ FEMA/FIR Maps                 |                     |                    |             |                   |                 |  |
| ☐ 100-year Floodplain El        | evation is:         |                    | (National   | Geodetic Vertical | Datum of 1929)  |  |
| Aerial Photographs (I           | Name and Date):     | BING, Microsoft    | Virtual Ear | th 2008           |                 |  |
| Other Photographs (I            | Name and Date):     | Ground Photos;     | May 2012    |                   |                 |  |
| Previous Determinatio           | ns File No. and     | Date of Response   | Letter:     |                   |                 |  |
| $\square$ Applicable/Supporting | Case Law Citati     | on:                |             |                   |                 |  |
| $\square$ Applicable/Supporting | Scientific Literatu | ire Citation:      |             |                   |                 |  |
| Other Information, Ple          | ase Specify:        |                    |             |                   |                 |  |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>   |                                      |               |               |                   |
|---|-----------------|--------------------------------------|---------------|---------------|-------------------|
| A. Report Completion Date for App   | oroved Jurisdic | ctional Determination:               | 07/30/2012    | 2             |                   |
| B. District Office and File No: Los   | Angeles Distri  | ct, File No. Pending                 |               |               |                   |
| C. Project Location and Background  | d Information   | Drainage Feature 29                  | A             |               |                   |
| City, County, State Sif Oidak Dis   | strict, Tohono  | O'odham Nation, Pima a               | ınd Pinal Cou | unties, Arizo | na                |
| Center coordinates of site: Lat.  | 32.5073         | Long111.9100                         |               |               |                   |
| Name of nearest waterbody: Un   | named Wash      | 29A                                  |               |               |                   |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River   | between Powers Butte                 | and Gillespie | Dam           |                   |
| ✓ Map/Diagram of potential juris  | dictional area  | is available on request              |               |               |                   |
| D. Review Performed for Site Evalu  | ation:          |                                      |               |               |                   |
| Office Determination. Date:   |                 |                                      |               |               |                   |
| Field Determination. Date: 05/2   | 2012            |                                      |               |               |                   |
| SECTION II: SUMMARY OF FINDING  | GS              |                                      |               |               |                   |
| A. RHA Section 10 Determination   |                 | 1                                    |               |               |                   |
| There Are No "navigable waters  |                 |                                      | the review    | area.         |                   |
| B. CWA Section 404 Determination  | n of Jurisdicti | on                                   |               |               |                   |
| There Are No "waters of the   | ne U.S." withir | CWA jurisdiction in the              | review area.  |               |                   |
| 1. Waters of the US:  |                 |                                      |               |               |                   |
| Linear Feet   |                 | Width (ft) and/or                    | Ad            | cres          |                   |
| Limits of Jurisdiction based on:  |                 |                                      |               |               |                   |
| 2. Non-Regulated Waters/Wet   | lands:          |                                      |               |               |                   |
| ✓ Potentially jurisdictional wa   |                 | vetlands were assessed a             | nd determin   | ed not to be  | e jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a  | significant nexus with a             |               | _             | •                 |
| SECTION III: CWA ANALYSIS   |                 |                                      |               |               |                   |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs     |                                      |               |               |                   |
| 1. Identified TNW:  |                 |                                      |               |               |                   |
| Rationale for TNW determinat  | ion:            |                                      |               |               |                   |
| 2. Rationale for conclusion tha   | it any wetland  | ls present are "adjacent"            | :             |               |                   |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY     | AND ITS ADJACENT WET                 | LANDS         |               |                   |
| TNW Watershed Size (sq mi):   | 49650           | Tributaries flow t                   |               | 4             | ,                 |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                | 0.00096<br>8.5  | River Miles from<br>River Miles from | •             |               | (or more)         |
| Average Annual Snowfall (in):   | 0               | Aerial Miles from                    | •             |               | (or more)         |
|   | -               | Aerial Miles from                    | •             |               | (-1.110.0)        |
| ☐ Project waters cross or serv  | ve as state boo | undaries. Explain:                   |               |               |                   |

Feature ID: 29A

| Identify flow route t          |                          |                            |   |  |
|--------------------------------|--------------------------|----------------------------|---|--|
| •                              | •                        | •                          | the Santa Rosa Wash. Topog<br>he Santa Cruz Wash to the G |  |
| Tributary is: Natural          | Explain:                 |                            |   |  |
| Average Width (ft):            | 7.15                     |                            |   |  |
| Average Depth (ft):            | 1                        |                            |   |  |
| Average Side Slopes            | 2:1                      |                            |   |  |
| Drimary tributary su           | ostrate composition (ch  | ack all that apply):       |   |  |
| •                              |                          |                            | 1.,   |  |
| ✓ Silts ☐ Sand                 | s 🗌 Cobbles 🗎            | Bedrock <b>✓</b> Gravel □  | Vegetation  |  |
| ☐ Concrete ☐                   | Muck Other, Explai       | ղ:                         |   |  |
| Tributary Condition/           | Stability. Explain: Stal | nle                        |   |  |
| •                              | le/Pool Complexes. Exp   |                            |   |  |
| Tributary Geometry:            | · _ ·                    | 1.001.1.000.1.0            |   |  |
|                                | approximate average slo  | ppe): 2%                   |   |  |
| (                              |                          | [/·                        |   |  |
|                                |                          |                            |   |  |
|                                |                          |                            |   |  |
|                                |                          |                            |   |  |
|                                |                          |                            |   |  |
|                                |                          |                            |   |  |
|                                |                          |                            |   |  |
|                                |                          |                            |   |  |
| Flow:                          |                          |                            |   |  |
| Flow:<br>ibutary Provides for: | Ephemeral Flow           | Average Flow Events per ye | rear: 2-5   |  |

| Tributary Provides for:         | Ephemeral Flow       | Average                                   | Flow Events    | per ye   | ar:       | 2-5          |       |  |
|---------------------------------|----------------------|---|----------------|----------|-----------|--------------|-------|--|
| Describe Flow Regime:           | Ephemeral            | Other Information on Duration and Volume: |                |          |           |              |       |  |
| Surface Flow is:                | Confined             | Characte                                  | ristics:       |          |           |              |       |  |
| Subsurface Flow:                | No                   | Explain:                                  |                |          |           |              |       |  |
| Tributary Has:                  |                      |   |                |          |           |              |       |  |
| ☐ Bed and Banks                 |                      |   |                |          |           |              |       |  |
| ✓ OHWM: OHWM Ind                | icators:             |   |                |          |           |              |       |  |
| $\square$ Clear, natural line i | mpressed on the bank |   | egetation n    | natted   | down, l   | pent or abse | ent   |  |
| Changes in soil cha             | racter               | □ L                                       | eaf litter die | turbed   | l or was  | shed away    |       |  |
| ☐ Shelving                      |                      | ☐ P                                       | Presence of    | itter ar | nd debr   | is           |       |  |
| Sediment deposition             | on                   | ✓ [                                       | Destruction    | of terre | estrial v | egetation    |       |  |
| Sediment sorting                |                      |   | Abrupt chan    | ge in pl | ant con   | nmunity      |       |  |
| ☐ Scour                         |                      |   | Multiple obs   | erved o  | or predi  | cted flow ev | vents |  |
| ☐ Presence of wrack             | line                 | □ V                                       | Water staini   | ng       |           |              |       |  |
| Other (list):                   |                      |   |                |          |           |              |       |  |
| ☐ Discontinuous? Ex             | plain:               |   |                |          |           |              |       |  |
| (iii) Chemical Characteris      | tics:                |   |                |          |           |              |       |  |
| Characterize Tributar           | y:                   |   |                |          |           |              |       |  |
| Identify Specific Pollu         | itants, if known:    |   |                |          |           |              |       |  |
|                                 |                      |   |                |          |           |              |       |  |
|                                 |                      |   |                |          |           |              |       |  |
|                                 |                      |   |                |          |           |              |       |  |
|                                 |                      |   |                |          |           |              |       |  |

| Feature ID: 29A  |           |
|--|-----------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                    |           |
| Riparian Corridor Characteristics:   |           |
| ☐ Wetland Fringe Characteristics:  |           |
| Habitat for:   |           |
| ☐ Federally Listed Species Explain:  |           |
| ☐ Fish/Spawn Areas Explain:  |           |
| Other environmentally -sensitive species Explain:  |           |
| ☐ Aquatic/Wildlife diversity Explain:  |           |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                 |           |
| (i) Physical Characteristics:  |           |
| Wetland Size (ac): Wetland Type, Explain:  |           |
| Wetland Quality, Explain:  |           |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |           |
| Wetland Flow is: Explain:  |           |
| Surface Flow is: Characteristics:  |           |
| Subsurface Flow: Explain Findings:   |           |
| ☐ Wetland Directly Abutting Non-TNW  |           |
| ☐ Wetland Not Directly Abutting Non-TNW  |           |
| ☐ Discrete wetland hydrologic connection Explain:  |           |
| ☐ Ecologcal connection Explain:  |           |
| ☐ Separated by berm/barrier Explain:   |           |
| Project Wetlands: River Miles from TNW:  |           |
| Project Wetlands: Aerial Miles from TNW:   |           |
| Flow is From:  |           |
| Approximate Location of Wetland within Floodplain:   |           |
| (ii) Chemical Characteristics:   |           |
| Characterize Wetland System:   |           |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                   |           |
| ☐ Riparian Buffer Explain:   |           |
| ☐ Vegetation type/percent cover. Explain:  |           |
| Habitat for:   |           |
| ☐ Federally Listed Species Explain:  |           |
| ☐ Fish/Spawn Areas Explain:  |           |
| Other environmentally-sensitive species Explain:   |           |
| ☐ Aquatic/Wildlife Diversity Explain:  |           |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                |           |
| All wetland(s) considered in cumulative analysis:  |           |
| Wetland acres in total being considered in cumulative analysis:  |           |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fu | nctions): |
|  |           |
|  |           |

| SIGNIFICANT NEXUS DETERMINATI   | ION  |
|---|--|
| 1. Significant nexus findings for no into TNW. Explain:   | n-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gillespie discharges, in combination with the downstream manmade impoundment possibility of a hydrologic connection critical habitats were identified with does not provide lifecycle support for drainage does not have more than a biological integrity of the TNW. The  | is located more than 100 river miles from the nearest TNW, the Gila River e Dam. An analysis of peak yearly discharges and potential flood e geomorphology of the Analysis Area, the presence of a significant ent (Tat Momolikot Dam), and the distance to the TNW, suggests that the on between this drainage and the TNW is tenuous. No pollutants or hin the Analysis Area. Additionally, this unnamed ephemeral drainage functions, nutrients, or organic carbon to species within the TNW. This a speculative or insubstantial effect on the physical, chemical, and/or erefore, this unnamed ephemeral drainage does not possess a significant illa River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for no or indirectly into TNW. Explain:   | n-RPW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for we Explain:   | etlands adjacent to an RPW but that do not directly abut the RPW.  |
|   |  |
| DETERMINATIONS OF JURISDICTIC   | ONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
|   | •  |
| 1. TNWs and Adjacent Wetlands   |  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe  | eet Width (ft) Or Acres  |
| ☐ TNWs: Linear Fe   |  |
| ☐ TNWs: Linear Fe   | Acres  |
| ☐ TNWs: Linear Fe ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  | Acres :  |
| ☐ TNWs: Linear Fe ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or   | Acres : indirectly into TNWs.  |
| ☐ TNWs: Linear Fe ☐ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ☐ Non-TNW/non-RPW waterbody  | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus  |
| ☐ TNWs: Linear Fe ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or   | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus  |
| <ul> <li>□ TNWs: Linear Fe</li> <li>□ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):</li> <li>3. Non-RPWs that flow directly or □ Non-TNW/non-RPW waterbody with a TNW, and is therfore juri</li> </ul>  | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet): Acres:  |
| ☐ TNWs: Linear Fe ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ☐ Non-TNW/non-RPW waterbody with a TNW, and is therfore jurit Length (Linear Feet):  Reserved for Section III D 4 (Wetlands)  | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet): Acres:  |
| □ TNWs: Linear Fe  □ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or  □ Non-TNW/non-RPW waterbody with a TNW, and is therfore juri Length (Linear Feet):  Reserved for Section III D 4 (Wetla Reserved for Section III D 5 (Wetla   | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet): Acres:  nds directly abutting RPWs):  |
| □ TNWs: Linear Fe □ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or □ Non-TNW/non-RPW waterbody with a TNW, and is therfore juri Length (Linear Feet):  Reserved for Section III D 4 (Wetla Reserved for Section III D 5 (Wetla 6. Wetlands adjacent to non-RPW   | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet): Acres:  nds directly abutting RPWs):  nds adjacent to but not directly abutting RPWs):  that flow directly or indirectly into TNWs.  which, in combination with the tributary and other adjacent wetlands,  |
| □ TNWs: Linear Fe □ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or □ Non-TNW/non-RPW waterbody with a TNW, and is therfore juri Length (Linear Feet): Reserved for Section III D 4 (Wetla Reserved for Section III D 5 (Wetla 6. Wetlands adjacent to non-RPWs  | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet):  Acres:  Inds directly abutting RPWs):  Inds adjacent to but not directly abutting RPWs):  Is that flow directly or indirectly into TNWs.  So which, in combination with the tributary and other adjacent wetlands, a TNW.  |
| □ TNWs: Linear Fe □ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or □ Non-TNW/non-RPW waterbody with a TNW, and is therfore juri Length (Linear Feet):  Reserved for Section III D 4 (Wetla Reserved for Section III D 5 (Wetla 6. Wetlands adjacent to non-RPW Wetland adjacent to non-RPWs has a significant nexus with the     | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet): Acres:  nds directly abutting RPWs):  nds adjacent to but not directly abutting RPWs):  s that flow directly or indirectly into TNWs.  s which, in combination with the tributary and other adjacent wetlands, a TNW.  wetland (in acres):  |
| □ TNWs: Linear Fe □ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or □ Non-TNW/non-RPW waterbody with a TNW, and is therfore juri Length (Linear Feet):  Reserved for Section III D 4 (Wetla Reserved for Section III D 5 (Wetla 6. Wetlands adjacent to non-RPW has a significant nexus with the Estimated size of jurisdictional | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet): Acres:  nds directly abutting RPWs):  nds adjacent to but not directly abutting RPWs):  s that flow directly or indirectly into TNWs.  s which, in combination with the tributary and other adjacent wetlands, a TNW.  wetland (in acres):  |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 29A  |                      |                  |                                       |          |
|--|----------------------|------------------|---------------------------------------|----------|
| As described in Section 3C possess a significant nexus |                      |                  | meral drainage determined that it did | not      |
| Explain finding of Other:                              |                      |                  |                                       |          |
| ✓ Non-wetland waters                                   | 3738.66 lii          | near feet (ft),  | 7.15 width (ft)                       |          |
| Other waters   |                      | cres             |                                       |          |
| ☐ Wetlands   | a                    | cres             |                                       |          |
| SECTION IV: DATA SOURCES                               |                      |                  |                                       |          |
| ✓ Maps, Plans, Plots or Pl                             | at Submitted by      | Applicant/Con    | sultant: WestLand Resources, Inc.     |          |
| ✓ Data Sheets Prepared/                                |                      | alf of Applicant |                                       |          |
| Office Concurs with                                    |                      |                  |                                       |          |
| Office Does Not Cor                                    |                      | ion              |                                       |          |
| ☐ Data Sheets Prepared b                               | •                    |                  |                                       |          |
| Corps Navigable Water                                  | •                    |                  |                                       |          |
| ☐ US Geological Survey H                               | ydrologic Atlas      |                  |                                       |          |
| USGS NHD Data  |                      |                  |                                       |          |
| ☐ USGS 8 and 12 digi                                   | t HUC Map            |                  |                                       |          |
| US Geological Survey N                                 | 1ap(s) Scale and     | Quad Name:       |                                       |          |
| Silver Reef Mounta                                     | ins SE, North Kom    | elik, and Santa  | Rosa Mountains NW 7.5-Minute Qua      | drangles |
| ☐ USDA Nat'l Res Conserv                               | vation Service Soil  | Survey Citat     | ion:                                  |          |
| ☐ National Wetlands Inve                               |                      | te Map Name:     |                                       |          |
| ☐ State/Local Wetland In                               |                      | p                |                                       |          |
| ☐ FEMA/FIR Maps  |                      |                  |                                       |          |
| ☐ 100-year Floodplain Ele                              | evation is:          |                  | (National Geodetic Vertical Datum     | of 1929) |
| ✓ Aerial Photographs (N                                | Name and Date):      | BING, Microsof   | ft Virtual Earth 2008                 |          |
| ✓ Other Photographs (N                                 | Name and Date):      | Ground Photos    | s; May 2012                           |          |
| ☐ Previous Determination                               | ns File No. and D    | ate of Respons   | se Letter:                            |          |
| $\square$ Applicable/Supporting                        | Case Law Citatio     | on:              |                                       |          |
| ☐ Applicable/Supporting                                | Scientific Literatur | e Citation:      |                                       |          |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM   | <u>MATION</u>   |   |             |                       |
|--|-----------------|---|-------------|-----------------------|
| A. Report Completion Date for App  | oroved Jurisdic | etional Determination: 07/30/2  | 012         |                       |
| B. District Office and File No: Los  |                 |   |             |                       |
| C. Project Location and Background   | d Information:  | Drainage Feature 29A1   |             |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono  | O'odham Nation, Pima and Pinal  | Counties, A | Arizona               |
| Center coordinates of site: Lat.   | 32.5073         | Long111.9100  |             |                       |
| Name of nearest waterbody: Un  | named Wash 2    | 29A1  |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | W: Gila River   | between Powers Butte and Gilles   | spie Dam    |                       |
| ✓ Map/Diagram of potential juris   | dictional area  | is available on request   |             |                       |
| D. Review Performed for Site Evalu   |                 | ,   |             |                       |
| Office Determination. Date:  | iation.         |   |             |                       |
| Field Determination. Date: 05/3  | 2012            |   |             |                       |
|  |                 |   |             |                       |
| SECTION II: SUMMARY OF FINDING   |                 |   |             |                       |
| A. RHA Section 10 Determination  |                 |   |             |                       |
| _  |                 | vithin RHA jurisdiction in the revi   | ew area.    |                       |
| B. CWA Section 404 Determination   |                 |   |             |                       |
|  | ne U.S." within | CWA jurisdiction in the review a  | rea.        |                       |
| 1. Waters of the US:   |                 |   |             |                       |
| Linear Feet  |                 | Width (ft) and/or   | Acres       |                       |
| Limits of Jurisdiction based on:   |                 |   |             |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional was</li> </ol> |                 | retlands were assessed and deter  | mined not   | to be jurisdictional: |
|  | it possessed a  | lify as a TNW or RPW. Therefore, significant nexus with a downstrodownstream TNW. |             | •                     |
| SECTION III: CWA ANALYSIS  |                 |   |             |                       |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs     |   |             |                       |
| 1. Identified TNW:   |                 |   |             |                       |
| Rationale for TNW determinat   | tion:           |   |             |                       |
| 2. Rationale for conclusion tha  | nt any wetland  | s present are "adjacent":   |             |                       |
| B. CHARACTERISTICS OF NON-TN   | N TRIBUTARY     | AND ITS ADJACENT WETLANDS   |             |                       |
| TNW Watershed Size (sq mi):  | 49650           | Tributaries flow to TNW:  |             | 4                     |
| Drainage Area (sq mi):   | 0.00032         | River Miles from tributary  | to TNW:     | 30 (or more)          |
| Average Annual Rainfall (in):  | 8.5             | River Miles from tributary  |             |                       |
| Average Annual Snowfall (in):  | 0               | Aerial Miles from tributary<br>Aerial Miles from tributary                        |             | 30 (or more)          |
| ☐ Project waters cross or serv   | ve as state bou |   |             |                       |

Feature ID: 29A1

| eature ID: 29A1   |   |   |
|---|---|---|
| Identify flow route to  | TNW:  |   |
| Unnamed drainages w   | vithin the Analysis Ar                      | ea are ultimately tributary to the Santa Rosa Wash. Topography flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| •   | 7.36<br>1<br>2:1                            |   |
| Primary tributary subs  | strate composition (c                       | heck all that apply):   |
| ✓ Silts ☐ Sands   | ☐ Cobbles ☐                                 | Bedrock ✓ Gravel □ Vegetation   |
| ☐ Concrete ☐ M  | luck Other, Expla                           | iin:  |
| Tributary Condition/Si<br>Presence of Run/Riffle<br>Tributary Geometry:<br>Tributary Gradient (ap | e/Pool Complexes. Ex<br>Relatively Straight |   |
|   |   |   |
|   |   |   |
|   |   |   |
| c) Flow:  |   |   |
| Tributary Provides for:   | Ephemeral Flow                              | Average Flow Events per year: 2-5   |
| Describe Flow Regime:   | •   | Other Information on Duration and Volume:   |
| Surface Flow is:  | Confined                                    | Characteristics:  |
|   | No  | Explain:  |

Tributary Has: ☐ Bed and Banks ✓ OHWM: OHWM Indicators: ☐ Clear, natural line impressed on the bank ☐ Vegetation matted down, bent or absent ✓ Changes in soil character ☐ Leaf litter disturbed or washed away ☐ Shelving ☐ Presence of litter and debris ☐ Sediment deposition **✓** Destruction of terrestrial vegetation ✓ Sediment sorting ☐ Abrupt change in plant community ☐ Scour ☐ Multiple observed or predicted flow events ☐ Presence of wrack line ☐ Water staining Other (list): ☐ Discontinuous? Explain: (iii) Chemical Characteristics: Characterize Tributary: Identify Specific Pollutants, if known:

|   | stics. Channel supports (check all that apply):   |
|---|---|
| ☐ Riparian Corridor   |   |
| ☐ Wetland Fringe C  |   |
| Habitat for:  |   |
| ☐ Federally Listed Sp   | pecies Explain:   |
| ☐ Fish/Spawn Areas  |   |
| $\square$ Other environmer  | ntally -sensitive species Explain:  |
| $\square$ Aquatic/Wildlife d  | liversity Explain:  |
| . Characteristics of wet  | lands adjacent to non-TNW that flow directly or indirectly into TNW                             |
| ) Physical Characteristic   |   |
| Wetland Size (ac):  | Wetland Type, Explain:  |
| Wetland Quality, Exp  |   |
| Project Wetlands Cro  | oss or Serve as State Boundaries, Explain:  |
| Wetland Flow is:  | Explain:  |
| Surface Flow is:  | Characteristics:  |
| Subsurface Flow:  | Explain Findings:   |
| Project Wetlands: Riv<br>Project Wetlands: Ae<br>Flow is From:<br>Approximate Locatio | erm/barrier Explain: ver Miles from TNW: erial Miles from TNW: on of Wetland within Floodplain: |
| i) Chemical Characterist  | tics:   |
| Characterize Wetland  | d System:   |
| ii) Biological Characteris  | stics. Wetland supports (check all that apply):   |
| ☐ Riparian Buffer   | Explain:  |
|   | /percent cover. Explain:  |
| Habitat for:  |   |
|   | d Species Explain:  |
| □ <b>5</b> : 1.70 ·   | ·   |
| ☐ Fish/Spawn Are  | nentally-sensitive species Explain:   |
| ☐ Other environm  | ·   |
| ☐ Other environm☐ Aquatic/Wildlife  | e Diversity Explain:  |
| ☐ Other environm☐ Aquatic/Wildlife  Characteristics of all w                          | e Diversity Explain: wetlands adjacent to the non-TNW tributary (if any)                        |
| ☐ Other environm ☐ Aquatic/Wildlife  Characteristics of all w  All wetland(s) consid  | e Diversity Explain:  |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNW. Explain:   |
|---|
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila Ribetween Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that to possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:   |
| . DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| 1. TNWs and Adjacent Wetlands   |
| ☐ TNWs: Linear Feet Width (ft), Or, Acres   |
| Wetlands adjacent to TNWs: Acres  |
| Reserved for Section III D 2 (RPWs):  |
| 3. Non-RPWs that flow directly or indirectly into TNWs.   |
| $\square$ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.   |
| Length (Linear Feet): Width (feet): Acres:  |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):   |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |
| $\square$ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands has a significant nexus with the TNW.   |
| Estimated size of jurisdictional wetland (in acres):  |
| 7. Impoundments of jurisdictional waters.   |
| Demonstration of Jurisdiction:  |
| . ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF VHICH COULD AFFECT INTERSTATE COMMERCE   |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

# Feature ID: 29A1 As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 1222.70 linear feet (ft), 7.36 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ✓ Other Photographs (Name and Date): Ground Photos; May 2012 Previous Determinations File No. and Date of Response Letter:

☐ Applicable/Supporting Case Law Citation:

Other Information, Please Specify: Additional Comments to Support JD:

Applicable/Supporting Scientific Literature Citation:

| SECTION I: BACKGROUND INFORMATION   |                         |
|---|-------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012                         |                         |
| B. District Office and File No: Los Angeles District, File No. Pending                                  |                         |
| C. Project Location and Background Information: Drainage Feature 29A2                                   |                         |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties,                 | , Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |                         |
| Name of nearest waterbody: Unnamed Wash 29A2  |                         |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam                       |                         |
| HUC Code: 15050306  |                         |
| ☑ Map/Diagram of potential jurisdictional area is available on request                                  |                         |
| D. Review Performed for Site Evaluation:  |                         |
| Office Determination. Date:   |                         |
| Field Determination. Date: 05/2012  |                         |
| SECTION II: SUMMARY OF FINDINGS   |                         |
| A. RHA Section 10 Determination of Jurisdiction   |                         |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.                 |                         |
| B. CWA Section 404 Determination of Jurisdiction  |                         |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.                           |                         |
| 1. Waters of the US:  |                         |
| Linear Feet Width (ft) and/or Acres   |                         |
| Limits of Jurisdiction based on:  |                         |
| 2. Non-Regulated Waters/Wetlands:   |                         |
| <ul><li>Potentially jurisdictional waters and/or wetlands were assessed and determined no</li></ul>     | t to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drain                       | age could only be       |
| considered jurisdictional if it possessed a significant nexus with a downstream TNW                     | 1. This drainage does   |
| not possess a significant nexus with the downstream TNW.  |                         |
| SECTION III: CWA ANALYSIS   |                         |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |                         |
| 1. Identified TNW:  |                         |
| Rationale for TNW determination:  |                         |
| 2. Rationale for conclusion that any wetlands present are "adjacent":                                   |                         |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS                                       |                         |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4                       |
| Drainage Area (sq mi): 0.00007 River Miles from tributary to TNW:                                       | 30 (or more)            |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:                                    | 20 (07 77 77 )          |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW: Aerial Miles from tributary to RPW: |                         |
| ☐ Project waters cross or serve as state boundaries. Explain:   |                         |

Feature ID: 29A2

|   | TNW:                |                 |   |
|---|---------------------|-----------------|---|
| _   |                     | •               | ea are ultimately tributary to the Santa Rosa Wash. Topography flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural   | Ex                  | plain:          |   |
| Average Width (ft):   | 5.88                |                 |   |
| Average Depth (ft):   | 1                   |                 |   |
| Average Side Slopes:  | 2:1                 |                 |   |
| Primary tributary subs  | ☐ Co                | bbles $\square$ | Bedrock ✓ Gravel □ Vegetation   |
| ☐ Concrete ☐ M  | luck (              | Other, Explain  | in:   |
| Presence of Run/Riffle<br>Tributary Geometry:<br>Tributary Gradient (ap         | Relativ             | ely Straight    |   |
|   |                     |                 |   |
| c) Flow:  |                     |                 |   |
| Tributary Provides for:   | Ephemer             |                 | Average Flow Events per year: 2-5   |
| Tributary Provides for:<br>Describe Flow Regime:                                | Ephemer             |                 | Other Information on Duration and Volume:   |
| Tributary Provides for:<br>Describe Flow Regime:<br>Surface Flow is:            | Ephemer<br>Confined |                 | Other Information on Duration and Volume: Characteristics:  |
| Tributary Provides for:<br>Describe Flow Regime:<br>Surface Flow is:            | Ephemer             |                 | Other Information on Duration and Volume:   |
| •   | Ephemer<br>Confined |                 | Other Information on Duration and Volume: Characteristics:  |
| Tributary Provides for: Describe Flow Regime: Surface Flow is: Subsurface Flow: | Ephemer<br>Confined |                 | Other Information on Duration and Volume: Characteristics:  |

✓ Changes in soil character ☐ Leaf litter disturbed or washed away ☐ Shelving ☐ Presence of litter and debris **✓** Destruction of terrestrial vegetation ☐ Sediment deposition ✓ Sediment sorting ☐ Abrupt change in plant community ☐ Scour ☐ Multiple observed or predicted flow events ☐ Presence of wrack line ☐ Water staining Other (list): ☐ Discontinuous? Explain: (iii) Chemical Characteristics: Characterize Tributary: Identify Specific Pollutants, if known:

| eature ID: 29A2   | nannel supports (check all that apply):                           |
|---|---|
|   |   |
| Riparian Corridor Characte  |   |
| ☐ Wetland Fringe Characte   | eristics.   |
| Habitat for:  | - 1.  |
| · ·   | Explain:  |
| ☐ Fish/Spawn Areas  | Explain:  |
| ☐ Other environmentally -se☐ Aquatic/Wildlife diversity   | ·   |
| Aquatic/ wilding diversity  | Explain.  |
| Characteristics of wetlands a   | djacent to non-TNW that flow directly or indirectly into TNW      |
| Physical Characteristics:   |   |
| Wetland Size (ac):  | Wetland Type, Explain:  |
| Wetland Quality, Explain:   |   |
| •   | erve as State Boundaries, Explain:                                |
| Wetland Flow is:  | Explain:  |
| Surface Flow is:  | Characteristics:  |
| Subsurface Flow:  | Explain Findings:   |
| ☐ Ecological connection ☐ Separated by berm/bar Project Wetlands: River Mile Project Wetlands: Aerial Mile Flow is From: Approximate Location of We Chemical Characteristics: | rrier Explain: es from TNW: les from TNW:                         |
| Characterize Wetland Syster   | m:  |
| ) Biological Characteristics. W   | /etland supports (check all that apply):                          |
| ☐ Riparian Buffer Explains ☐ Vegetation type/percent Habitat for: ☐ Federally Listed Species ☐ Fish/Spawn Areas Exp ☐ Other environmentally ☐ Aquatic/Wildlife Divers         | t cover. Explain: es Explain: plain: e-sensitive species Explain: |
|   | s adjacent to the non-TNW tributary (if any)                      |
| Characteristics of all wetland  | is adjustent to the non-retrictional first the analysis           |
| Characteristics of all wetland:<br>All wetland(s) considered in   |   |
| All wetland(s) considered in  |   |

| . SIGNIFICANT NEXUS DETERMINATION  |   |
|--|---|
| 1. Significant nexus findings for non-R into TNW. Explain:   | PW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gillespie Dedischarges, in combination with the gedownstream manmade impoundment possibility of a hydrologic connection be critical habitats were identified within does not provide lifecycle support fund drainage does not have more than a spebiological integrity of the TNW. Therefore  | ocated more than 100 river miles from the nearest TNW, the Gila River am. An analysis of peak yearly discharges and potential flood omorphology of the Analysis Area, the presence of a significant (Tat Momolikot Dam), and the distance to the TNW, suggests that the petween this drainage and the TNW is tenuous. No pollutants or the Analysis Area. Additionally, this unnamed ephemeral drainage ctions, nutrients, or organic carbon to species within the TNW. This peculative or insubstantial effect on the physical, chemical, and/or ore, this unnamed ephemeral drainage does not possess a significant River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for non-R or indirectly into TNW. Explain:   | PW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for wetla<br>Explain:  | nds adjacent to an RPW but that do not directly abut the RPW.   |
| DETERMINATIONS OF JURISDICTIONA  | IL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:   | Width (ft), Or,  Acres  Acres   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):   | Width (ft), Or, Acres   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):   | Width (ft), Or,  Acres  irectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic   | Width (ft), Or,  Acres  irectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind  Non-TNW/non-RPW waterbody the with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands)   | Width (ft), Or,  Acres  irectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands 6. | Width (ft), Or,  Acres  irectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  a directly abutting RPWs):  a adjacent to but not directly abutting RPWs):  hat flow directly or indirectly into TNWs.   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the Wetland adjacent to non-RPWs whas a significant nexus with the TN   | Width (ft), Or,  Acres  irectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  a directly abutting RPWs):  a adjacent to but not directly abutting RPWs):  hat flow directly or indirectly into TNWs.  hich, in combination with the tributary and other adjacent wetlands, IW.   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the Wetland adjacent to non-RPWs whas a significant nexus with the TN Estimated size of jurisdictional weten  | Width (ft), Or,  Acres  Acres  irectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  adjacent to but not directly abutting RPWs):  at flow directly or indirectly into TNWs.  hich, in combination with the tributary and other adjacent wetlands, IW.  tland (in acres):  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the Wetland adjacent to non-RPWs whas a significant nexus with the TN   | Width (ft), Or,  Acres  Acres  irectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  adjacent to but not directly abutting RPWs):  at flow directly or indirectly into TNWs.  hich, in combination with the tributary and other adjacent wetlands, IW.  tland (in acres):  |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

# Feature ID: 29A2 As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 341.19 linear feet (ft), 5.88 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008

✓ Other Photographs (Name and Date): Ground Photos; May 2012☐ Previous Determinations File No. and Date of Response Letter:

☐ Applicable/Supporting Case Law Citation:

Other Information, Please Specify: Additional Comments to Support JD:

Applicable/Supporting Scientific Literature Citation:

| SECTION I: BACKGROUND INFORMATION   |                         |
|---|-------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012                         |                         |
| B. District Office and File No: Los Angeles District, File No. Pending                                  |                         |
| C. Project Location and Background Information: Drainage Feature 29B                                    |                         |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties,                 | Arizona                 |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |                         |
| Name of nearest waterbody: Unnamed Wash 29B   |                         |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam                       |                         |
| HUC Code: 15050306  |                         |
| ☑ Map/Diagram of potential jurisdictional area is available on request                                  |                         |
| D. Review Performed for Site Evaluation:  |                         |
| Office Determination. Date:   |                         |
| Field Determination. Date: 05/2012  |                         |
| SECTION II: SUMMARY OF FINDINGS   |                         |
| A. RHA Section 10 Determination of Jurisdiction   |                         |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.                 |                         |
| B. CWA Section 404 Determination of Jurisdiction  |                         |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.                           |                         |
| 1. Waters of the US:  |                         |
| Linear Feet Width (ft) and/or Acres   |                         |
| Limits of Jurisdiction based on:  |                         |
| 2. Non-Regulated Waters/Wetlands:   |                         |
| Potentially jurisdictional waters and/or wetlands were assessed and determined no                       | t to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drain                       | age could only be       |
| considered jurisdictional if it possessed a significant nexus with a downstream TNW                     | . This drainage does    |
| not possess a significant nexus with the downstream TNW.  |                         |
| SECTION III: CWA ANALYSIS   |                         |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |                         |
| 1. Identified TNW:  |                         |
| Rationale for TNW determination:  |                         |
| 2. Rationale for conclusion that any wetlands present are "adjacent":                                   |                         |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS                                       |                         |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4                       |
| Drainage Area (sq mi): 0.00035 River Miles from tributary to TNW:                                       | 30 (or more)            |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:                                    | 20 (07 72 72 7          |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW: Aerial Miles from tributary to RPW: |                         |
| ☐ Project waters cross or serve as state boundaries. Explain:   |                         |

Feature ID: 29B

| suggests the most lik<br>River.                | ely rou | te of poten   | itial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|--|---------|---------------|--|
| Tributary is: Natural                          |         | Explain:      |  |
| Average Width (ft):                            | 7.48    |               |  |
| Average Depth (ft):                            | 1       |               |  |
| verage Side Slopes:                            | 2:1     |               |  |
|  |         | •             | Stable s. Explain: Not Present                                   |
| Tributary Condition/S<br>Presence of Run/Riffl |         |               | ight   |
| •  | Rela    | itively Strai | 0'''   |
| Presence of Run/Riffl                          |         | •             |  |
| Presence of Run/Riffl<br>Fributary Geometry:   |         | •             |  |

| (c) Flow:                  |                       |                  |                   |            |                    |
|----------------------------|-----------------------|------------------|-------------------|------------|--------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Events pe    | r year:    | 2-5                |
| Describe Flow Regime:      | Ephemeral             | Other Inf        | ormation on D     | uration ar | nd Volume:         |
| Surface Flow is:           | Confined              | Characte         | ristics:          |            |                    |
| Subsurface Flow:           | No                    | Explain:         |                   |            |                    |
| Tributary Has:             |                       |                  |                   |            |                    |
| ☐ Bed and Banks            |                       |                  |                   |            |                    |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |                   |            |                    |
| ☐ Clear, natural line      | impressed on the bank | $\square$ $\vee$ | egetation mat     | ed down    | , bent or absent   |
| ✓ Changes in soil cha      |                       |                  | eaf litter distur | bed or wa  | ashed away         |
| ☐ Shelving                 |                       | □ P              | resence of litte  | r and del  | oris               |
| ☐ Sediment deposition      | on                    | <b>v</b> [       | Destruction of t  | errestrial | vegetation         |
| Sediment sorting           |                       |                  | Abrupt change i   | n plant co | ommunity           |
| ☐ Scour                    |                       |                  | Multiple observ   | ed or pre  | dicted flow events |
| ☐ Presence of wrack        | line                  | □ <b>\</b>       | Water staining    |            |                    |
| Other (list):              |                       |                  |                   |            |                    |
| ☐ Discontinuous? Ex        | kplain:               |                  |                   |            |                    |
| (iii) Chemical Characteris | etics:                |                  |                   |            |                    |
| Characterize Tributa       | ry:                   |                  |                   |            |                    |
| Identify Specific Poll     | utants, if known:     |                  |                   |            |                    |
|                            |                       |                  |                   |            |                    |
|                            |                       |                  |                   |            |                    |
|                            |                       |                  |                   |            |                    |
| _                          |                       |                  |                   |            |                    |
|                            |                       |                  |                   |            |                    |

| iv) Biological Characterist   | ics. Channel supports (check all that apply):   |
|---|---|
| ☐ Riparian Corridor(  | Characteristics:  |
| ☐ Wetland Fringe Ch   | aracteristics:  |
| Habitat for:  |   |
| ☐ Federally Listed Spe  | ecies Explain:  |
| ☐ Fish/Spawn Areas  | Explain:  |
| •   | cally -sensitive species Explain:   |
| ☐ Aquatic/Wildlife div  | versity Explain:  |
|   | and a discount of the state of |
| <ul><li>c. Characteristics of wetla</li><li>(i) Physical Characteristics</li></ul>          | ands adjacent to non-TNW that flow directly or indirectly into TNW  |
| Wetland Size (ac):  | Wetland Type, Explain:  |
| Wetland Quality, Expla  | ain:  |
| Project Wetlands Cros   | ss or Serve as State Boundaries, Explain:   |
| Wetland Flow is:  | Explain:  |
| Surface Flow is:  | Characteristics:  |
| Subsurface Flow:  | Explain Findings:   |
| ☐ Wetland Directly Al   | butting Non-TNW   |
| ☐ Wetland Not Direct  | :ly Abutting Non-TNW  |
| ☐ Discrete wetland  | hydrologic connection Explain:  |
| ☐ Ecologcal connec  | ction Explain:  |
| $\square$ Separated by be   | rm/barrier Explain:   |
| Project Wetlands: Rive  | er Miles from TNW:  |
| Project Wetlands: Aer   | ial Miles from TNW:   |
| Flow is From:   |   |
| Approximate Location  | of Wetland within Floodplain:   |
| (ii) Chemical Characteristic  | cs:   |
| Characterize Wetland  | System:   |
|   | tics. Wetland supports (check all that apply):  |
|   |   |
| ☐ Riparian Buffer E   | ·   |
| Habitat for:  | percent cover. Explain:   |
| Federally Listed S  | Spacias Evaluin   |
| ☐ Fish/Spawn Area   |   |
| - Histif Spawii Alea  | ·   |
| Other environme   | ,   |
| ☐ Other environme   |   |
| ☐ Aquatic/Wildlife  |   |
| ☐ Aquatic/Wildlife  | etlands adjacent to the non-TNW tributary (if any)  |
| ☐ Aquatic/Wildlife  3. Characteristics of all we  |   |
| <ul><li>Aquatic/Wildlife</li><li>Characteristics of all we All wetland(s) conside</li></ul> | etlands adjacent to the non-TNW tributary (if any)  |

| . SIGNIFICANT NEXUS DETERMINATION  | I  |
|--|--|
| 1. Significant nexus findings for non-R into TNW. Explain:   | PW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gillespie D discharges, in combination with the ge downstream manmade impoundment possibility of a hydrologic connection be critical habitats were identified within does not provide lifecycle support fund drainage does not have more than a speciological integrity of the TNW. Therefore   | ocated more than 100 river miles from the nearest TNW, the Gila River am. An analysis of peak yearly discharges and potential flood comorphology of the Analysis Area, the presence of a significant (Tat Momolikot Dam), and the distance to the TNW, suggests that the petween this drainage and the TNW is tenuous. No pollutants or the Analysis Area. Additionally, this unnamed ephemeral drainage ctions, nutrients, or organic carbon to species within the TNW. This peculative or insubstantial effect on the physical, chemical, and/or fore, this unnamed ephemeral drainage does not possess a significant River between Powers Butte and Gillespie Dam.  |
| 2. Significant nexus findings for non-R or indirectly into TNW. Explain:   | RPW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for wetla Explain:   | nds adjacent to an RPW but that do not directly abut the RPW.  |
| DETERMINATIONS OF JURISDICTIONA  | AL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| . DETERMINATIONS OF JURISDICTIONA  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  | Width (ft), Or,  Acres  Acres  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):   | Width (ft), Or, Acres  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):   | Width (ft), Or,  Acres  Acres  lirectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind  Non-TNW/non-RPW waterbody the with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands)   | Width (ft), Or,  Acres  Acres  lirectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  |
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| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs thas a significant nexus with the TN  | Width (ft), Or,  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres:  Acre |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs that a significant nexus with the TN Estimated size of jurisdictional we  | Width (ft), Or, Acres  Acres  lirectly into TNWs. at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet): Acres: s directly abutting RPWs): s adjacent to but not directly abutting RPWs): that flow directly or indirectly into TNWs. thich, in combination with the tributary and other adjacent wetlands, IW. tland (in acres):   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs thas a significant nexus with the TN  | Width (ft), Or, Acres  Acres  lirectly into TNWs. at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet): Acres: s directly abutting RPWs): s adjacent to but not directly abutting RPWs): that flow directly or indirectly into TNWs. thich, in combination with the tributary and other adjacent wetlands, IW. tland (in acres):   |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feat     | ure ID: 29B  |               |                                    |              |                   |                 |  |
|----------|--|---------------|------------------------------------|--------------|-------------------|-----------------|--|
|          | described in Section 3C<br>essess a significant nexu                           | •             |                                    | meral draina | ge determined tha | t it did not    |  |
| Ex       | plain finding of Other:  |               |                                    |              |                   |                 |  |
|          | Non-wetland waters<br>Other waters<br>Wetlands                                 |               | inear feet (ft),<br>acres<br>acres | 7.48         | width (ft)        |                 |  |
| SECTI    | ON IV: DATA SOURCES  |               |                                    |              |                   |                 |  |
| <b>✓</b> | Maps, Plans, Plots or P  |               |                                    |              | estLand Resources | s, Inc.         |  |
| ✓        | Data Sheets Prepared/ ☐ Office Concurs with ☐ Office Does Not Co               | n delineation |                                    |              |                   |                 |  |
|          | Data Sheets Prepared Corps Navigable Wate US Geological Survey H USGS NHD Data | r Study       |                                    |              |                   |                 |  |
|          | $\square$ USGS 8 and 12 dig  | it HUC Map    |                                    |              |                   |                 |  |
| ✓        | US Geological Survey N<br>Silver Reef Mounta                                   |               |                                    | Rosa Moun    | tains NW 7.5-Minu | ite Quadrangles |  |
|          | USDA Nat'l Res Conser<br>National Wetlands Inv<br>State/Local Wetland In       | entory Maps C | il Survey Citat<br>iite Map Name:  | ion:         |                   |                 |  |
|          | FEMA/FIR Maps  |               |                                    |              |                   |                 |  |
|          | 100-year Floodplain El   |               |                                    |              | Geodetic Vertical | Datum of 1929)  |  |
| <b>✓</b> | ,  |               |                                    |              | th 2008           |                 |  |
| <b>✓</b> | •  | •             |                                    |              |                   |                 |  |
|          | Previous Determination   |               | •                                  | se Letter:   |                   |                 |  |
|          | Applicable/Supporting  |               |                                    |              |                   |                 |  |

Other Information, Please Specify:

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION  |                       |
|--|-----------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                       |
| B. District Office and File No: Los Angeles District, File No. Pending   |                       |
| C. Project Location and Background Information: Drainage Feature 3   |                       |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties, A  | Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                       |
| Name of nearest waterbody: Unnamed Wash 3  |                       |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam  |                       |
| HUC Code: 15050306   |                       |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                       |
| D. Review Performed for Site Evaluation:   |                       |
| Office Determination. Date:  |                       |
| Field Determination. Date: 05/2012   |                       |
| SECTION II: SUMMARY OF FINDINGS  |                       |
| A. RHA Section 10 Determination of Jurisdiction  |                       |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.  |                       |
| B. CWA Section 404 Determination of Jurisdiction  There Are No  "waters of the U.S." within CWA jurisdiction in the review area.  1. Waters of the US:   |                       |
| Linear Feet Width (ft) and/or Acres  |                       |
| Limits of Jurisdiction based on:   |                       |
| 2. Non-Regulated Waters/Wetlands:  ✓ Potentially jurisdictional waters and/or wetlands were assessed and determined not a  | to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drainage considered jurisdictional if it possessed a significant nexus with a downstream TNW. not possess a significant nexus with the downstream TNW. |                       |
| SECTION III: CWA ANALYSIS  |                       |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                       |
| 1. Identified TNW:   |                       |
| Rationale for TNW determination:   |                       |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                       |
|  |                       |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4                     |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  Drainage Area (sq mi): 0.00390 River Miles from tributary to TNW:  | 30 (or more)          |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:   | (3                    |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW: Aerial Miles from tributary to RPW:  | 30 (or more)          |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                       |

Feature ID: 3

| ature ID: 3             |  |
|-------------------------|--|
| Identify flow route to  | TNW:   |
| · ·                     | within the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography ely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural   | Explain:   |
| Average Width (ft):     | 22.03  |
| Average Depth (ft):     | 1  |
| Average Side Slopes:    | 2:1  |
| ✓ Silts ☐ Sands         | strate composition (check all that apply):   Cobbles  Bedrock  Gravel  Vegetation  luck  Other, Explain:   |
| Tributary Condition/S   |  |
| Tributary Geometry:     | Relatively Straight  |
|                         | oproximate average slope): 2%  |
| Tributary Oracletic (at | pproximate average stope).   |

| (c) Flow:                  |                       |            |            |             |            |                  |  |
|----------------------------|-----------------------|------------|------------|-------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average    | Flow Eve   | ents per ye | ear:       | 2-5              |  |
| Describe Flow Regime:      | Ephemeral             | Other Inf  | ormatic    | n on Dura   | tion and   | Volume:          |  |
| Surface Flow is:           | Confined              | Characte   | ristics:   |             |            |                  |  |
| Subsurface Flow:           | No                    | Explain:   |            |             |            |                  |  |
| Tributary Has:             |                       |            |            |             |            |                  |  |
| ✓ Bed and Banks            |                       |            |            |             |            |                  |  |
| ✓ OHWM: OHWM Ind           | dicators:             |            |            |             |            |                  |  |
| ☐ Clear, natural line      | impressed on the bank |            | /egetati   | on matted   | down, b    | ent or absent    |  |
| ✓ Changes in soil cha      | aracter               |            | eaf litte. | r disturbed | d or was   | hed away         |  |
| ☐ Shelving                 |                       | ☐ F        | resence    | of litter a | nd debri   | S                |  |
| ☐ Sediment deposition      | on                    | ✓ [        | Destruct   | ion of terr | estrial ve | egetation        |  |
| ✓ Sediment sorting         |                       |            | Abrupt c   | hange in p  | lant com   | nmunity          |  |
| ☐ Scour                    |                       |            | ∕Iultiple  | observed    | or predi   | cted flow events |  |
| ☐ Presence of wrack        | line                  | □ <b>\</b> | Vater st   | aining      |            |                  |  |
| Other (list):              |                       |            |            |             |            |                  |  |
| ☐ Discontinuous? Ex        | kplain:               |            |            |             |            |                  |  |
| (iii) Chemical Characteris | stics:                |            |            |             |            |                  |  |
| Characterize Tributa       | ry:                   |            |            |             |            |                  |  |
| Identify Specific Poll     | utants, if known:     |            |            |             |            |                  |  |
| , ,                        | •                     |            |            |             |            |                  |  |
|                            |                       |            |            |             |            |                  |  |
|                            |                       |            |            |             |            |                  |  |
|                            |                       |            |            |             |            |                  |  |

| Feature ID: 3   |  |
|---|--|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |  |
| Riparian Corridor Characteristics:  |  |
| ☐ Wetland Fringe Characteristics:   |  |
| Habitat for:  |  |
| ☐ Federally Listed Species Explain:   |  |
| ☐ Fish/Spawn Areas Explain:   |  |
| ☐ Other environmentally -sensitive species  |  |
| ☐ Aquatic/Wildlife diversity Explain:   |  |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                          |  |
| (i) Physical Characteristics:   |  |
| Wetland Size (ac): Wetland Type, Explain:   |  |
| Wetland Quality, Explain:   |  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |  |
| Wetland Flow is: Explain:   |  |
| Surface Flow is: Characteristics:   |  |
| Subsurface Flow: Explain Findings:  |  |
| ☐ Wetland Directly Abutting Non-TNW   |  |
| ☐ Wetland Not Directly Abutting Non-TNW   |  |
| ☐ Discrete wetland hydrologic connection Explain:   |  |
| ☐ Ecologcal connection Explain:   |  |
| ☐ Separated by berm/barrier Explain:  |  |
| Project Wetlands: River Miles from TNW:   |  |
| Project Wetlands: Aerial Miles from TNW:  |  |
| Flow is From:   |  |
| Approximate Location of Wetland within Floodplain:  |  |
| (ii) Chemical Characteristics:  |  |
| Characterize Wetland System:  |  |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |  |
|   |  |
| <ul><li>☐ Riparian Buffer Explain:</li><li>☐ Vegetation type/percent cover. Explain:</li></ul>                        |  |
| Habitat for:  |  |
| Federally Listed Species Explain:   |  |
| ☐ Fish/Spawn Areas Explain:   |  |
| ☐ Other environmentally-sensitive species Explain:  |  |
| ☐ Aquatic/Wildlife Diversity Explain:   |  |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |  |
| All wetland(s) considered in cumulative analysis:   |  |
| Wetland acres in total being considered in cumulative analysis:   |  |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions): |  |
| Describe each wedand functify about tributary:, size in acres, overall biological, chemical or physical functions).   |  |
|   |  |
|   |  |

| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  | . SIGNIFICANT NEXUS DETERM  | MINATION   |   |  |  |
|---|---|--|---|--|--|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW, Explain:  3. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  3. Non-RPWs that flow directly or indirectly into TNWs.  4. Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  4. Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  5. SUBJECT OF TRUE ACRES ADDITIONAL FINDINGS. THE USE, DEGRADATION OR DESTRUCTION OF DESTRUCTION OF |   | for non-RPW that has no  | adjacent wetlands ar  | d flows directly or i  | ndirectly  |
| a. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs:  Linear Feet  Width (ft), Or,  Acres  Wetlands adjacent to TNWs:  Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdictions  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  | between Powers Butte and G<br>discharges, in combination w<br>downstream manmade impo<br>possibility of a hydrologic cor<br>critical habitats were identified<br>does not provide lifecycle sup<br>drainage does not have more<br>biological integrity of the TNV               | Gillespie Dam. An analysis with the geomorphology coundment (Tat Momoliko nnection between this dried within the Analysis Arapport functions, nutrients e than a speculative or institution.   | of peak yearly dischar<br>of the Analysis Area, the<br>t Dam), and the distan<br>ainage and the TNW is<br>ea. Additionally, this un<br>s, or organic carbon to<br>substantial effect on the | ges and potential floor get of a signification of the TNW, sugget enuous. No pollutation of the TNM is the Topical of the physical, chemical educes not possess and possess are possess and possess an | ood<br>ficant<br>ests that the<br>nts or<br>drainage<br>NW. This<br>, and/or |
| D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs:  Linear Feet  Width (ft), Or,  Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:   |   | •  | acent wetlands, where   | e the non-RPW flows  | directly   |
| 1. TNWs and Adjacent Wetlands TNWs: Linear Feet Width (ft), Or, Acres Wetlands adjacent to TNWs: Acres Reserved for Section III D 2 (RPWs): 3. Non-RPWs that flow directly or indirectly into TNWs. Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional. Length (Linear Feet): Width (feet): Acres: Reserved for Section III D 4 (Wetlands directly abutting RPWs): Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs): 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs. Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW. Estimated size of jurisdictional wetland (in acres): 7. Impoundments of jurisdictional waters. Demonstration of Jurisdictions: E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  | _   | for wetlands adjacent to   | an RPW but that do r  | ot directly abut the   | RPW.   |
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| <ul> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.</li></ul>  | Reserved for Section III D 2 (I   | RPWs):   |   |  |  |
| <ul> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.</li></ul>  | 3. Non-RPWs that flow direc   | ctly or indirectly into TN   | Ns.   |  |  |
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| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  |   | ore jurisdictional.  |   |  |  |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  | with a TNW, and is therfo   |  | : Acres   | :  |  |
| <ul> <li>□ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.     Estimated size of jurisdictional wetland (in acres):     </li> <li>7. Impoundments of jurisdictional waters.     Demonstration of Jurisdiction:     </li> <li>E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF</li> </ul>  | with a TNW, and is therfo<br>Length (Linear Feet):  | Width (feet)   |   | :  |  |
| has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   | with a TNW, and is therfo<br>Length (Linear Feet):<br>Reserved for Section III D 4 (  | Width (feet) (Wetlands directly abutti   | ng RPWs):   |  |  |
| 7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  | with a TNW, and is therfo<br>Length (Linear Feet):<br>Reserved for Section III D 4 (<br>Reserved for Section III D 5 (  | Width (feet) (Wetlands directly abutti (Wetlands adjacent to bu  | ng RPWs):<br>It not directly abutting   | RPWs):   |  |
| Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   | with a TNW, and is therform Length (Linear Feet):  Reserved for Section III D 4 ( Reserved for Section III D 5 ( 6. Wetlands adjacent to non  Wetland adjacent to non   | Width (feet) (Wetlands directly abutti (Wetlands adjacent to build in the combine of the combine | ng RPWs):  It not directly abutting  y or indirectly into TN  | RPWs):<br><b>Ws.</b>   | wetlands,  |
| E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   | with a TNW, and is therform Length (Linear Feet):  Reserved for Section III D 4 ( Reserved for Section III D 5 ( 6. Wetlands adjacent to now has a significant nexus w  | Width (feet) (Wetlands directly abutti (Wetlands adjacent to buin-RPWs that flow directlen-RPWs which, in combination the TNW.   | ng RPWs):  It not directly abutting  Y or indirectly into TN  ation with the tributary  | RPWs):<br><b>Ws.</b>   | wetlands,  |
|   | with a TNW, and is therform Length (Linear Feet):  Reserved for Section III D 4 ( Reserved for Section III D 5 ( 6. Wetlands adjacent to non has a significant nexus we setimated size of jurisdic  | Width (feet) (Wetlands directly abutti (Wetlands adjacent to builtier.  n-RPWs that flow directly n-RPWs which, in combination the TNW. ectional wetland (in acres):   | ng RPWs):  It not directly abutting  Y or indirectly into TN  ation with the tributary  | RPWs):<br><b>Ws.</b>   | wetlands,  |
|   | with a TNW, and is therfollowing Length (Linear Feet):  Reserved for Section III D 4 (Reserved for Section III D 5 (Constitution)  Wetlands adjacent to non has a significant nexus we Estimated size of jurisdictors.  Impoundments of jurisdictors.                           | Width (feet) (Wetlands directly abutti (Wetlands adjacent to builtier) n-RPWs that flow directly n-RPWs which, in combination the TNW. Citional wetland (in acres)   | ng RPWs):  It not directly abutting  Y or indirectly into TN  ation with the tributary  | RPWs):<br><b>Ws.</b>   | wetlands,  |
|   | with a TNW, and is therfollowing Length (Linear Feet):  Reserved for Section III D 4 ( Reserved for Section III D 5 ( 6. Wetlands adjacent to non has a significant nexus we stimated size of jurisdic Demonstration of Jurisdic S. ISOLATED WATERS, INCLUDICATE (Linear Feet): | Width (feet) (Wetlands directly abutti (Wetlands adjacent to but) n-RPWs that flow directly n-RPWs which, in combinate with the TNW. ctional wetland (in acres): ictional waters. iction: ING ISOLATED WETLAND   | ng RPWs):  It not directly abutting  y or indirectly into TN  ation with the tributary  | RPWs):<br><b>Ws.</b><br>y and other adjacent   |  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 3  |                                   |                                      |             |                  |                  |  |
|--|-----------------------------------|--------------------------------------|-------------|------------------|------------------|--|
| As described in Section 30 possess a significant nexus   |                                   |                                      | eral draina | ge determined th | nat it did not   |  |
| Explain finding of Other:  |                                   |                                      |             |                  |                  |  |
| <ul><li>Non-wetland waters</li><li>Other waters</li><li>Wetlands</li></ul>   | 4940.14                           | linear feet (ft),<br>acres<br>acres  | 22.03       | width (ft)       |                  |  |
| SECTION IV: DATA SOURCES   |                                   |                                      |             |                  |                  |  |
| <ul><li>✓ Maps, Plans, Plots or P</li><li>✓ Data Sheets Prepared/</li><li>☐ Office Concurs with</li><li>☐ Office Does Not Co</li></ul>                             | 'Submitted on be<br>n delineation | ehalf of Applicant                   | ultant: W   | estLand Resource | es, Inc.         |  |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas       |                                      |             |                  |                  |  |
| ✓ US Geological Survey N<br>Silver Reef Mounta   | •                                 | d Quad Name:<br>omelik, and Santa R  | osa Mount   | ains NW 7.5-Mir  | ute Quadrangles  |  |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul>                            | entory Maps                       | oil Survey Citatio<br>Cite Map Name: | n:          |                  |                  |  |
| 100-year Floodplain El   |                                   |                                      | -           |                  | l Datum of 1929) |  |
| <ul><li>✓ Aerial Photographs (</li><li>✓ Other Photographs (</li></ul>   | •                                 | ·                                    |             | th 2008          |                  |  |
| <ul><li>Other Photographs (</li><li>Previous Determination</li></ul>   | -                                 |                                      |             |                  |                  |  |
| ☐ Applicable/Supporting  |                                   | •                                    | Lettel.     |                  |                  |  |
| ☐ Applicable/Supporting  |                                   |                                      |             |                  |                  |  |
| Other Information, Ple   | ease Specify:                     |                                      |             |                  |                  |  |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>                  |  |   |
|---|--------------------------------|--|---|
| A. Report Completion Date for App   | proved Jurisdictional Deterr   | mination: 07/30/2                          | 2012  |
| B. District Office and File No: Los   |                                |  |   |
| C. Project Location and Background  | d Information: <b>Drainage</b> | Feature 30                                 |   |
| City, County, State Sif Oidak Dis   | strict, Tohono O'odham Na      | tion, Pima and Pina                        | l Counties, Arizona   |
| Center coordinates of site: Lat.  | 32.5073 Long.                  | -111.9100                                  |   |
| Name of nearest waterbody: Uni  | named Wash 30                  |  |   |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                  | W: Gila River between Pov      | wers Butte and Gille                       | espie Dam   |
| ✓ Map/Diagram of potential jurise   | dictional area is available o  | n request                                  |   |
| D. Review Performed for Site Evalu  | ation:                         |  |   |
| Office Determination. Date:   |                                |  |   |
| Field Determination. Date: 05/2   | 2012                           |  |   |
| SECTION II: SUMMARY OF FINDING  | GS                             |  |   |
| A. RHA Section 10 Determination   |                                |  |   |
| There Are No "navigable waters  |                                | risdiction in the rev                      | riew area.  |
| B. CWA Section 404 Determination  | on of Jurisdiction             |  |   |
|   | ne U.S." within CWA jurisdic   | ction in the review a                      | area.   |
| 1. Waters of the US:  |                                |  |   |
| Linear Feet   | Width (ft) a                   | ınd/or                                     | Acres   |
| Limits of Jurisdiction based on:  |                                |  |   |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                                | e assessed and deter                       | rmined not to be jurisdictional                               |
|   | it possessed a significant n   | exus with a downsti                        | , this drainage could only be<br>ream TNW. This drainage does |
| SECTION III: CWA ANALYSIS   |                                |  |   |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs                    |  |   |
| 1. Identified TNW:  |                                |  |   |
| Rationale for TNW determinat  | ion:                           |  |   |
| 2. Rationale for conclusion tha   | it any wetlands present are    | e "adjacent":                              |   |
| B. CHARACTERISTICS OF NON-TN\   | W TRIBUTARY AND ITS ADJ        | ACENT WETLANDS                             |   |
| TNW Watershed Size (sq mi):   |                                | aries flow to TNW:                         | 4   |
| Drainage Area (sq mi):  |                                | Miles from tributary                       | •   |
| Average Annual Rainfall (in):   |                                | Miles from tributary                       | •   |
| Average Annual Snowfall (in):   |                                | Miles from tributar<br>Miles from tributar | •   |
| ☐ Project waters cross or serv  |                                | xplain:                                    | •   |

Feature ID: 30

| Identify flow route to<br>Unnamed drainages<br>suggests the most lik<br>River. | within t                             | •                                 |   | •            | •          |    |  |
|--|--------------------------------------|-----------------------------------|---|--------------|------------|----|--|
| Tributary is: Natural  |                                      | Explain:                          |   |              |            |    |  |
| Average Width (ft):  | 6.99                                 |                                   |   |              |            |    |  |
| Average Depth (ft):  | 1                                    |                                   |   |              |            |    |  |
|  |                                      |                                   |   |              |            |    |  |
| Average Side Slopes:<br>Primary tributary sub                                  |                                      | compositio                        | n (check all                                | that apply): |            |    |  |
| Primary tributary sub  | ostrate                              | compositio<br>Cobbles<br>Other, E | Bedro                                       |              | □ Vegetati | on |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                          | ostrate<br>s                         | Cobbles<br>Other, E               | Bedro                                       |              | □ Vegetati | on |  |
| Primary tributary sub  | ostrate  Substitute  Muck  Stability | Cobbles Other, E                  | ☐ Bedro<br>xplain: ☐                        |              | □ Vegetati | on |  |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/              | ostrate  Muck  Stability  le/Pool    | Cobbles Other, E                  | ☐ Bedro  Explain:  Stable  Stable:  Stable: | ck           | □ Vegetati | on |  |

| (c) Flow:                  |                       |                  |             |             |            |                   |
|----------------------------|-----------------------|------------------|-------------|-------------|------------|-------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Eve    | nts per y   | ear:       | 2-5               |
| Describe Flow Regime:      | Ephemeral             | Other Inf        | ormation    | n on Dura   | ation and  | d Volume:         |
| Surface Flow is:           | Confined              | Characte         | ristics:    |             |            |                   |
| Subsurface Flow:           | No                    | Explain:         |             |             |            |                   |
| Tributary Has:             |                       |                  |             |             |            |                   |
| ☐ Bed and Banks            |                       |                  |             |             |            |                   |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |             |             |            |                   |
| ☐ Clear, natural line      | impressed on the bank | $\square$ $\vee$ | egetatio    | n matte     | d down,    | bent or absent    |
| Changes in soil cha        |                       |                  | eaf litter  | disturbe    | d or wa    | shed away         |
| ☐ Shelving                 |                       | □ P              | resence     | of litter a | and debi   | ris               |
| ☐ Sediment deposition      | on                    |                  | estructio   | on of teri  | restrial v | egetation         |
| Sediment sorting           |                       |                  | brupt ch    | ange in p   | olant cor  | nmunity           |
| ☐ Scour                    |                       |                  | /lultiple o | bserved     | or pred    | icted flow events |
| ☐ Presence of wrack        | line                  | □ <b>v</b>       | Vater sta   | ining       |            |                   |
| Other (list):              |                       |                  |             |             |            |                   |
| ☐ Discontinuous? Ex        | xplain:               |                  |             |             |            |                   |
| (iii) Chemical Characteris | stics:                |                  |             |             |            |                   |
| Characterize Tributa       | ry:                   |                  |             |             |            |                   |
| Identify Specific Poll     | utants, if known:     |                  |             |             |            |                   |
| , ,                        | ,                     |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |

| (iv) Biological Characteristics. Channel supports (check all that apply):  Riparian Corridor Characteristics:  Wetland Fringe Characteristics:  Habitat for:  Federally Listed Species Explain: |        |
|---|--------|
| ☐ Wetland Fringe Characteristics:  Habitat for:   |        |
| Habitat for:  |        |
|   |        |
| ☐ Federally Listed Species Explain:   |        |
|   |        |
| ☐ Fish/Spawn Areas Explain:   |        |
| ☐ Other environmentally -sensitive species Explain:   |        |
| ☐ Aquatic/Wildlife diversity Explain:   |        |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  |        |
| i) Physical Characteristics:  Wetland Type, Evaluing  |        |
| Wetland Size (ac): Wetland Type, Explain:   |        |
| Wetland Quality, Explain:  Project Wetlands Cross or Serve as State Boundaries, Explain:  |        |
| Wetland Flow is: Explain:   |        |
| Surface Flow is: Characteristics:   |        |
| Subsurface Flow: Explain Findings:  |        |
|   |        |
| ☐ Wetland Directly Abutting Non-TNW   |        |
| ☐ Wetland Not Directly Abutting Non-TNW   |        |
| ☐ Discrete wetland hydrologic connection Explain:   |        |
| Ecological connection   |        |
| ☐ Separated by berm/barrier Explain:  Project Wetlands: River Miles from TNW:   |        |
| Project Wetlands: Aerial Miles from TNW:  |        |
| Flow is From:   |        |
| Approximate Location of Wetland within Floodplain:  |        |
|   |        |
| i) Chemical Characteristics:  |        |
| Characterize Wetland System:  |        |
| i) Biological Characteristics. Wetland supports (check all that apply):   |        |
| ☐ Riparian Buffer Explain:  |        |
| ☐ Vegetation type/percent cover. Explain:   |        |
| Habitat for:  |        |
| ☐ Federally Listed Species Explain:   |        |
| ☐ Fish/Spawn Areas Explain:   |        |
| ☐ Other environmentally-sensitive species Explain:  |        |
| ☐ Aquatic/Wildlife Diversity Explain:   |        |
| Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |        |
| All wetland(s) considered in cumulative analysis:   |        |
| Wetland acres in total being considered in cumulative analysis:   |        |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical funct   | ions)· |

| SIGNIFICANT NEXUS DETERMINATION  |  |
|--|--|
| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirection to TNW. Explain:   | ectly  |
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the G between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants of critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drain does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a sign nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. | nt<br>that the<br>or<br>nage<br>This<br>d/or |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly into TNW. Explain:   | ectly  |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW Explain:   | V.   |
| DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |  |
| 1. TNWs and Adjacent Wetlands  |  |
| <ul><li>☐ TNWs:</li><li>☐ Linear Feet</li><li>☐ Wetlands adjacent to TNWs:</li><li>☐ Acres</li></ul>   |  |
| Reserved for Section III D 2 (RPWs):   |  |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  |  |
| <ul> <li>□ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant no with a TNW, and is therfore jurisdictional.</li> <li>Length (Linear Feet): Width (feet): Acres:</li> </ul>   | exus   |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |  |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |  |
|  |  |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   | lands,                                       |
| <ul><li>6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.</li><li>Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wet has a significant nexus with the TNW.</li></ul>  |  |
| $\square$ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wet   |  |
| ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wet has a significant nexus with the TNW.   |  |
| <ul> <li>□ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wet has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> </ul>   |  |
| <ul> <li>Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wet has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> <li>Impoundments of jurisdictional waters.</li> </ul>   | OF   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 30   |   |  |
|--|---|--|
| As described in Section 30 possess a significant nexu  | C1 above, an analysis of this ephemeral drainage determined that it did not us with the nearest TNW.                                    |  |
| Explain finding of Other:  |   |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 1153.46 linear feet (ft), 6.99 width (ft) acres acres   |  |
| ECTION IV: DATA SOURCES  |   |  |
| ✓ Data Sheets Prepared,  ☐ Office Concurs with   | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. /Submitted on behalf of Applicant h delineation oncur with delineation |  |
| <ul><li>□ Data Sheets Prepared</li><li>□ Corps Navigable Wate</li><li>□ US Geological Survey F</li><li>□ USGS NHD Data</li><li>□ USGS 8 and 12 dig</li></ul> | er Study<br>Hydrologic Atlas  |  |
|  | Map(s) Scale and Quad Name: tains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                 |  |
| <ul><li>National Wetlands Inv</li><li>State/Local Wetland In</li></ul>   |   |  |
| <ul><li>☐ FEMA/FIR Maps</li><li>☐ 100-year Floodplain El</li></ul>   | levation is: (National Geodetic Vertical Datum of 1929)   |  |
|  | (Name and Date): BING, Microsoft Virtual Earth 2008   |  |
|  | (Name and Date): Ground Photos; May 2012  |  |
| <ul><li>Previous Determination</li><li>Applicable/Supporting</li><li>Applicable/Supporting</li></ul>   |   |  |
| Other Information, Ple   |   |  |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION  |                             |
|--|-----------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                             |
| B. District Office and File No: Los Angeles District, File No. Pending   |                             |
| C. Project Location and Background Information: Drainage Feature 31  |                             |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Coun   | ties, Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                             |
| Name of nearest waterbody: Unnamed Wash 31   |                             |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie D  | )am                         |
| HUC Code: 15050306   |                             |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                             |
| D. Review Performed for Site Evaluation:   |                             |
| Office Determination. Date:  |                             |
| Field Determination. Date: 05/2012   |                             |
|  |                             |
| SECTION II: SUMMARY OF FINDINGS  |                             |
| A. RHA Section 10 Determination of Jurisdiction  There are No "povigable weters of the U.S." within BUA jurisdiction in the review of  |                             |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review ar   | ea.                         |
| B. CWA Section 404 Determination of Jurisdiction   |                             |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.  |                             |
| 1. Waters of the US:   |                             |
| Linear Feet Width (ft) and/or Acre   | 25                          |
| Limits of Jurisdiction based on:   |                             |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined</li></ul>   | d not to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this considered jurisdictional if it possessed a significant nexus with a downstream not possess a significant nexus with the downstream TNW. |                             |
| SECTION III: CWA ANALYSIS  |                             |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                             |
| 1. Identified TNW:   |                             |
| Rationale for TNW determination:   |                             |
| 2. Pationals for conclusion that any wotlands present are "adjacent":  |                             |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                             |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                             |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                           |
| Drainage Area (sq mi): 0.00018 River Miles from tributary to The   |                             |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RF Average Annual Snowfall (in): 0 Aerial Miles from tributary to T  |                             |
| Average Affidat Showfair (iii).  Aerial Miles from tributary to R  |                             |
| Project waters cross or serve as state boundaries. Explain:  |                             |

Feature ID: 31

| Identify flow route to            |                            |  |
|-----------------------------------|----------------------------|--|
| _                                 |                            | ultimately tributary to the Santa Rosa Wash. Topography s Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural             | Explain:                   |  |
| Average Width (ft):               | 7.45                       |  |
| Average Depth (ft):               | 1                          |  |
| Average Side Slopes:              | 2:1                        |  |
| ✓ Silts ☐ Sands<br>☐ Concrete ☐ N | ☐ Cobbles ☐ Bedi           | rock ☑ Gravel ☐ Vegetation   |
|                                   | Stability. Explain: Stable |  |
| Tributary Condition/S             | commercy: Expression       |  |
| •                                 | e/Pool Complexes. Explain: | Not Present  |
| •                                 |                            | Not Present  |

(c) Flow:

| Tributary Provides for:         | Ephemeral Flow        | Average                                   | Flow Eve    | nts per ye  | ear:     | 2-5              |    |  |
|---------------------------------|-----------------------|---|-------------|-------------|----------|------------------|----|--|
| Describe Flow Regime:           | Ephemeral             | Other Information on Duration and Volume: |             |             |          |                  |    |  |
| Surface Flow is:                | Confined              | Characte                                  | ristics:    |             |          |                  |    |  |
| Subsurface Flow:                | No                    | Explain:                                  |             |             |          |                  |    |  |
| Tributary Has:                  |                       |   |             |             |          |                  |    |  |
| $\square$ Bed and Banks         |                       |   |             |             |          |                  |    |  |
| ✓ OHWM: OHWM Inc                | dicators:             |   |             |             |          |                  |    |  |
| $\square$ Clear, natural line i | impressed on the bank | □ V                                       | egetatio/   | n matted    | down,    | bent or absent   |    |  |
| Changes in soil cha             | racter                | □ L                                       | eaf litter  | disturbed   | d or was | shed away        |    |  |
| ☐ Shelving                      |                       | □ P                                       | resence     | of litter a | nd debr  | ris              |    |  |
| ☐ Sediment deposition           |                       | Destruction of terrestrial vegetation     |             |             |          |                  |    |  |
| ✓ Sediment sorting              |                       | ☐ Abrupt change in plant community        |             |             |          |                  |    |  |
| ☐ Scour                         |                       |   | /Jultiple o | bserved     | or pred  | icted flow event | is |  |
| $\square$ Presence of wrack     | line                  | □ V                                       | Vater sta   | ining       |          |                  |    |  |
| Other (list):                   |                       |   |             |             |          |                  |    |  |
| ☐ Discontinuous? Ex             | rplain:               |   |             |             |          |                  |    |  |
| (iii) Chemical Characteris      | tics:                 |   |             |             |          |                  |    |  |
| Characterize Tributa            | ry:                   |   |             |             |          |                  |    |  |
| Identify Specific Poll          |                       |   |             |             |          |                  |    |  |
|                                 |                       |   |             |             |          |                  |    |  |
|                                 |                       |   |             |             |          |                  |    |  |
|                                 |                       |   |             |             |          |                  |    |  |
|                                 |                       |   |             |             |          |                  |    |  |

| iv) Biological Characterist  | tics. Channel supports (check all that apply):   |
|--|--|
| ☐ Riparian Corridor(   | Characteristics:   |
| ☐ Wetland Fringe Ch  | naracteristics:  |
| Habitat for:   |  |
| ☐ Federally Listed Spe   | ecies Explain:   |
| ☐ Fish/Spawn Areas   | Explain:   |
| •  | tally -sensitive species Explain:  |
| ☐ Aquatic/Wildlife div   | versity Explain:   |
| 2  | and a diagonal to many Tanak about the adiagonal and in diagonal air in the Tanak  |
| <ul><li>i) Physical Characteristics</li></ul>  | ands adjacent to non-TNW that flow directly or indirectly into TNW<br>s:   |
| Wetland Size (ac):   | Wetland Type, Explain:   |
| Wetland Quality, Expl  | ain:   |
| Project Wetlands Cros  | ss or Serve as State Boundaries, Explain:  |
| Wetland Flow is:   | Explain:   |
| Surface Flow is:   | Characteristics:   |
| Subsurface Flow:   | Explain Findings:  |
| ☐ Discrete wetland ☐ Ecological connect ☐ Separated by been project Wetlands: River Project Wetlands: Aer Flow is From: Approximate Location | tly Abutting Non-TNW d hydrologic connection Explain: ction Explain: rm/barrier Explain: er Miles from TNW: rial Miles from TNW: |
| (ii) Chemical Characteristic   |  |
| Characterize Wetland   | System:  |
| (iii) Biological Characterist  | tics. Wetland supports (check all that apply):   |
| ☐ Riparian Buffer E  | explain:   |
| $\square$ Vegetation type/p  | percent cover. Explain:  |
| Habitat for:   |  |
| Federally Listed S   | ·  |
| ☐ Fish/Spawn Area  | ·  |
| Other environme  | entally-sensitive species Explain:   |
|  | Divorcity Evoluin:   |
| ☐ Aquatic/Wildlife   | Diversity Explain.   |
| $\square$ Aquatic/Wildlife   | etlands adjacent to the non-TNW tributary (if any)   |
| ☐ Aquatic/Wildlife  3. Characteristics of all we   | etlands adjacent to the non-TNW tributary (if any)   |
| <ul><li>Aquatic/Wildlife</li><li>Characteristics of all we All wetland(s) conside</li></ul>  | , .  |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila Ribetween Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pultants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage aloes not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significan nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs:  Linear Feet  Width (ft), Or,  Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Won-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  6. Wetlands adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands has a significant nexus with the TNW.  Estimated size of | C. SIGNIFICANT NEXUS DETERMINA  | TION   |
|--|---|--|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that t possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significar nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs:  Linear Feet  Wetlands adjacent to TNWs:  Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Won-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Acres:  Reserved for Section III D 4 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  |   | on-RPW that has no adjacent wetlands and flows directly or indirectly  |
| or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  | between Powers Butte and Gilles discharges, in combination with the downstream manmade impounds possibility of a hydrologic connect critical habitats were identified with does not provide lifecycle support drainage does not have more that biological integrity of the TNW. The | bie Dam. An analysis of peak yearly discharges and potential flood are geomorphology of the Analysis Area, the presence of a significant ment (Tat Momolikot Dam), and the distance to the TNW, suggests that the ion between this drainage and the TNW is tenuous. No pollutants or thin the Analysis Area. Additionally, this unnamed ephemeral drainage functions, nutrients, or organic carbon to species within the TNW. This is a speculative or insubstantial effect on the physical, chemical, and/or herefore, this unnamed ephemeral drainage does not possess a significant |
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| 1. TNWs and Adjacent Wetlands  ☐ TNWs:   |   | vetlands adjacent to an RPW but that do not directly abut the RPW.   |
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| <ul> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.</li></ul>   | •   |  |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.   | ☐ Non-TNW/non-RPW waterbook with a TNW, and is therfore ju  | ly that flows directly or indirectly into a TNW and has a signficant nexus risdictional.   |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  |   |  |
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| has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.   | 6. Wetlands adjacent to non-RP  | Ws that flow directly or indirectly into TNWs.   |
| 7. Impoundments of jurisdictional waters.  | has a significant nexus with the  | e TNW.   |
| Demonstration of Jurisdiction:   | •   |  |
|  | Demonstration of Jurisdiction   | :  |
| E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE   |   |  |
|  | Supporting rationale: Length (linear feet):   | Acres:   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 31                   |                     |                     |            |                  |                 |                |
|----------------------------------|---------------------|---------------------|------------|------------------|-----------------|----------------|
| As described in Section 3C       | •                   | •                   | ral draina | ge determined th | at it did not   |                |
| possess a significant nexus      | s with the nearest  | TNW.                |            |                  |                 |                |
| Explain finding of Other:        |                     |                     |            |                  |                 |                |
| ✓ Non-wetland waters             | 658.50 li           | inear feet (ft),    | 7.45       | width (ft)       |                 |                |
| $\square$ Other waters           | а                   | acres               |            |                  |                 |                |
| ☐ Wetlands                       | a                   | acres               |            |                  |                 |                |
| SECTION IV: DATA SOURCES         |                     |                     |            |                  |                 |                |
| ✓ Maps, Plans, Plots or P        | lat Submitted by    | Applicant/Consul    | tant: We   | estLand Resource | es. Inc.        |                |
| ✓ Data Sheets Prepared/          |                     |                     |            |                  |                 |                |
| ☐ Office Concurs with            |                     |                     |            |                  |                 |                |
| ☐ Office Does Not Co             | ncur with delineat  | tion                |            |                  |                 |                |
| ☐ Data Sheets Prepared           | by the Corps        |                     |            |                  |                 |                |
| ☐ Corps Navigable Water          | r Study             |                     |            |                  |                 |                |
| $\square$ US Geological Survey F | lydrologic Atlas    |                     |            |                  |                 |                |
| USGS NHD Data                    |                     |                     |            |                  |                 |                |
| $\square$ USGS 8 and 12 digi     | it HUC Map          |                     |            |                  |                 |                |
| ✓ US Geological Survey N         | Map(s) Scale and    | Quad Name:          |            |                  |                 |                |
| Silver Reef Mounta               | ains SE, North Kom  | nelik, and Santa Ro | sa Mount   | tains NW 7.5-Min | ute Quadrangle  | !S             |
| ☐ USDA Nat'l Res Conser          | vation Service Soi  | l Survey Citation   | :          |                  |                 |                |
| ☐ National Wetlands Inv          |                     | ite Map Name:       |            |                  |                 |                |
| ☐ State/Local Wetland Ir         |                     | •                   |            |                  |                 |                |
| ☐ FEMA/FIR Maps                  | •                   |                     |            |                  |                 |                |
| ☐ 100-year Floodplain El         | evation is:         |                     | (National  | Geodetic Vertica | l Datum of 1929 | <del>)</del> ) |
| Aerial Photographs (I            | Name and Date):     | BING, Microsoft V   | irtual Ear | th 2008          |                 |                |
| Other Photographs (              | Name and Date):     | Ground Photos; N    | 1ay 2012   |                  |                 |                |
| Previous Determination           | ns File No. and I   | Date of Response I  | _etter:    |                  |                 |                |
| $\square$ Applicable/Supporting  | Case Law Citation   | on:                 |            |                  |                 |                |
| $\square$ Applicable/Supporting  | Scientific Literatu | re Citation:        |            |                  |                 |                |
| Other Information, Ple           | ase Specify:        |                     |            |                  |                 |                |

| SECTION I: BACKGROUND INFORM  | <u>ATION</u>        |                         |  |                      |
|---|---------------------|-------------------------|--|----------------------|
| A. Report Completion Date for App   | roved Jurisdictic   | nal Determination:      | 07/30/2012                                 |                      |
| B. District Office and File No: Los   |                     |                         |  |                      |
| C. Project Location and Background  | Information:        | Drainage Feature 31     | .A   |                      |
| City, County, State Sif Oidak Dis   | trict, Tohono O'    | odham Nation, Pima      | and Pinal Counties, A                      | Arizona              |
| Center coordinates of site: Lat. 3  | 2.5073              | Long111.9100            |  |                      |
| Name of nearest waterbody: Unr  | named Wash 31       | A                       |  |                      |
| Name of nearest downstream TNV HUC Code: 15050306                                   | V: Gila River be    | tween Powers Butte      | and Gillespie Dam                          |                      |
| ✓ Map/Diagram of potential juriso   | lictional area is a | available on request    |  |                      |
| D. Review Performed for Site Evalu  |                     |                         |  |                      |
|   | ation.              |                         |  |                      |
| Office Determination. Date:   | 042                 |                         |  |                      |
| Field Determination. Date: 05/2   | .012                |                         |  |                      |
| SECTION II: SUMMARY OF FINDING  | <u>GS</u>           |                         |  |                      |
| A. RHA Section 10 Determination   | of Jurisdiction     |                         |  |                      |
| There Are No "navigable waters  | of the U.S." wit    | hin RHA jurisdiction ir | n the review area.                         |                      |
| B. CWA Section 404 Determinatio   | n of Jurisdiction   |                         |  |                      |
| There Are No "waters of th  | e U.S." within C    | WA jurisdiction in the  | review area.                               |                      |
| 1. Waters of the US:  |                     |                         |  |                      |
| Linear Feet   | V                   | Vidth (ft) and/or       | Acres                                      |                      |
| Limits of Jurisdiction based on:  |                     |                         |  |                      |
| 2. Non-Regulated Waters/Wetl  | ands <sup>.</sup>   |                         |  |                      |
| ✓ Potentially jurisdictional wa   |                     | ands were assessed a    | and determined not                         | to be jurisdictional |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | t possessed a si    | gnificant nexus with a  |  |                      |
| SECTION III: CWA ANALYSIS   |                     |                         |  |                      |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs          |                         |  |                      |
| 1. Identified TNW:  |                     |                         |  |                      |
| Rationale for TNW determinat  | ion:                |                         |  |                      |
| 2. Rationale for conclusion tha   | t any wetlands p    | resent are "adjacent'   | ':   |                      |
| B. CHARACTERISTICS OF NON-TNV   | V TRIBUTARY AN      | ID ITS ADJACENT WET     | ΓLANDS                                     |                      |
| TNW Watershed Size (sq mi):   | 49650               | Tributaries flow t      | to TNW:                                    | 4                    |
| Drainage Area (sq mi):  | 0.00009             | River Miles from        | tributary to TNW:                          | 30 (or more)         |
| Average Annual Rainfall (in):   | 8.5                 |                         | tributary to RPW:                          |                      |
| Average Annual Snowfall (in):   | 0                   |                         | n tributary to TNW:<br>n tributary to RPW: | 30 (or more)         |
| ☐ Project waters cross or serv  | e as state bound    | laries. Explain:        |  |                      |

Feature ID: 31A

| Feature ID: 31A  |  |   |
|--|--|---|
| Identify flow route to   | TNW:   |   |
| Unnamed drainages v  | within the Analysis Area   | a are ultimately tributary to the Santa Rosa Wash. Topography<br>ow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural Average Width (ft): Average Depth (ft): Average Side Slopes: | 6.88<br>1  |   |
| Primary tributary sub  ✓ Silts  ☐ Sands  | strate composition (ch   | Bedrock ✓ Gravel □ Vegetation   |
| Tributary Geometry:  | e/Pool Complexes. Exp<br>Relatively Straight<br>pproximate average slo |   |
| (c) Flow:<br>Tributary Provides for:   | Ephemeral Flow   | Average Flow Events per year: 2-5   |
| Describe Flow Regime:  | •  | Other Information on Duration and Volume:   |
| Surface Flow is:   | Confined   | Characteristics:  |
| Subsurface Flow:   | No   | Explain:  |
| Tributary Has:   |  |   |
| $\square$ Bed and Banks  |  |   |
| OHWM: OHWM Ind   |  |   |
|  | impressed on the bank  |   |
| ✓ Changes in soil cha  | racter   | Leaf litter disturbed or washed away  |
| ☐ Shelving   | on   | ☐ Presence of litter and debris   |
| <ul><li>☐ Sediment deposition</li><li>✓ Sediment sorting</li></ul>                 | ווע  | <ul><li>Destruction of terrestrial vegetation</li><li>Abrupt change in plant community</li></ul>                          |
| Scour  |  | Multiple observed or predicted flow events  |

## (iii) Chemical Characteristics:

Other (list):

 $\hfill\Box$  Presence of wrack line

☐ Discontinuous? Explain:

Characterize Tributary:
Identify Specific Pollutants, if known:

☐ Water staining

| (iv) Biological Characteristics. C  | hannel supports (check all that apply):  |
|---|--|
| $\square$ Riparian Corridor Chara   | cteristics:  |
| ☐ Wetland Fringe Characte   | eristics:  |
| Habitat for:  Federally Listed Species  Fish/Spawn Areas  Other environmentally -s  Aquatic/Wildlife diversity  | ·  |
| <ol><li>Characteristics of wetlands a<br/>(i) Physical Characteristics:</li></ol>   | djacent to non-TNW that flow directly or indirectly into TNW   |
| Wetland Size (ac): Wetland Quality, Explain: Project Wetlands Cross or S  | Wetland Type, Explain:  Serve as State Boundaries, Explain:  |
| Wetland Flow is:  | Explain:   |
| Surface Flow is: Subsurface Flow:   | Characteristics:  Explain Findings:  |
| ☐ Wetland Not Directly About ☐ Discrete wetland hydr ☐ Ecological connection ☐ Separated by berm/bate Project Wetlands: River Mil Project Wetlands: Aerial Mit Flow is From: ☐ Approximate Location of W  | ologic connection Explain:  Explain:  errier Explain:  es from TNW:  les from TNW:   |
| (ii) Chemical Characteristics:  |  |
| Characterize Wetland Syste  | m:   |
| (iii) Biological Characteristics. W   | Vetland supports (check all that apply):   |
| <ul> <li>□ Riparian Buffer Explain</li> <li>□ Vegetation type/percen</li> <li>Habitat for:</li> <li>□ Federally Listed Specie</li> <li>□ Fish/Spawn Areas Explain</li> <li>□ Other environmentally</li> <li>□ Aquatic/Wildlife Diver</li> </ul> | es Explain: plain: y-sensitive species Explain:  |
| 3. Characteristics of all wetland   | ds adjacent to the non-TNW tributary (if any)  |
|   | cumulative analysis: g considered in cumulative analysis: ectly abuts tributary?; size in acres; overall biological, chemical or physical function |

| Feature ID:   | 31A              |              |
|---------------|------------------|--------------|
| C. SIGNIFICAL | NT NEXUS DETER   | RMINATION    |
| 1 Significa   | nt nevus finding | s for non-RE |

# 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNW. Explain:

This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.

2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:

| Explain:  | cus findings for wetla                          | iius aujateiit to i | ali NEVV DUL U   | iat uo not um  | ectiy abut tile RPW.   |
|---|---|---------------------|------------------|----------------|------------------------|
| DETERMINATION   | NS OF JURISDICTIONA                             | L FINDINGS. THE     | SUBJECT WA       | TERS/WETLA     | NDS ARE                |
| 1. TNWs and Adj   | acent Wetlands                                  |                     |                  |                |                        |
| ☐ TNWs:   | Linear Feet                                     |                     | Width (ft), (    | Or,            | Acres                  |
| Wetlands ad   | jacent to TNWs:                                 | Acres               |                  |                |                        |
| Reserved for Sec  | tion III D 2 (RPWs):                            |                     |                  |                |                        |
| 3. Non-RPWs tha   | at flow directly or ind                         | irectly into TNW    | 'S.              |                |                        |
|   | n-RPW waterbody tha<br>and is therfore jurisdic | •                   | or indirectly in | to a TNW and   | has a signficant nexus |
| Length (Linea   | r Feet):  | Width (feet):       |                  | Acres:         |                        |
| Reserved for Sec  | ction III D 4 (Wetlands                         | directly abutting   | g RPWs):         |                |                        |
| Reserved for Sec  | ction III D 5 (Wetlands                         | adjacent to but     | not directly ak  | outting RPWs   | :                      |
| 6. Wetlands adj   | acent to non-RPWs th                            | nat flow directly   | or indirectly i  | nto TNWs.      |                        |
| -   | acent to non-RPWs wl<br>ant nexus with the TN   |                     | ion with the ti  | ributary and c | ther adjacent wetlands |
| Estimated siz   | ze of jurisdictional we                         | tland (in acres):   |                  |                |                        |
| 7. Impoundmen   | ts of jurisdictional wa                         | aters.              |                  |                |                        |
| Demonstrati   | on of Jurisdiction:                             |                     |                  |                |                        |
| ISOLATED WATE   | RS, INCLUDING ISOLA                             | TED WETLANDS        | . THE USE. DEC   | GRADATION (    | OR DESTRUCTION OF      |
|   | ECT INTERSTATE CON                              |                     | ,,               |                |                        |
|   |   |                     |                  |                |                        |
|   | nale:   |                     |                  |                |                        |
| Supporting ratio  |   | Acres:              |                  |                |                        |
| Supporting ratio<br>Length (linear fe                   | et):  | 7 (6) 651           |                  |                |                        |
| Length (linear fe                                       | ONAL WATERS, INCLU                              |                     | OS:              |                |                        |
| Length (linear fe<br>NON-JURISDICTI<br>Non-Jurisdiction | ONAL WATERS, INCLU                              | JDING WETLANI       |                  | Co. de         | to decrease the        |

| Feature ID: 31A   |  |
|---|--|
| As described in Section 3C1 a possess a significant nexus wi                    | above, an analysis of this ephemeral drainage determined that it did not vith the nearest TNW. |
| Explain finding of Other:   |  |
| ✓ Non-wetland waters  | 382.38 linear feet (ft), 6.88 width (ft)   |
| Other waters  | acres  |
| ☐ Wetlands  | acres  |
| SECTION IV: DATA SOURCES  |  |
| · ·   | Submitted by Applicant/Consultant: WestLand Resources, Inc.                                    |
| <ul><li>✓ Data Sheets Prepared/Sul</li><li>☐ Office Concurs with de</li></ul>   | bmitted on behalf of Applicant   |
| ☐ Office Does Not Concu   |  |
| ☐ Data Sheets Prepared by t   |  |
| ☐ Corps Navigable Water St  | ·  |
| ☐ US Geological Survey Hyd  | ·  |
| USGS NHD Data   |  |
| $\square$ USGS 8 and 12 digit H   | HUC Map  |
| ✓ US Geological Survey Map  | p(s) Scale and Quad Name:  |
| Silver Reef Mountains   | s SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                        |
| ☐ USDA Nat'l Res Conservat  | tion Service Soil Survey Citation:   |
| $\square$ National Wetlands Invent  |  |
| State/Local Wetland Inver   | ntory Maps   |
| FEMA/FIR Maps   |  |
| <ul><li>☐ 100-year Floodplain Eleva</li><li>✓ Aerial Photographs (Nar</li></ul> |  |
|   | me and Date): BING, Microsoft Virtual Earth 2008 me and Date): Ground Photos; May 2012         |
| • • •   | File No. and Date of Response Letter:  |
| ☐ Applicable/Supporting Cas   |  |
| ☐ Applicable/Supporting Sci   |  |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION                    | <u>ON</u>  |  |                      |
|--|--|--|----------------------|
| A. Report Completion Date for Approve                | d Jurisdictional Determination:  | 07/30/2012                                 |                      |
| B. District Office and File No: Los Ange             |  |  |                      |
| C. Project Location and Background Info              | ormation: Drainage Feature 3:  | 1B   |                      |
| City, County, State Sif Oidak District               | Tohono O'odham Nation, Pima  | and Pinal Counties, A                      | Arizona              |
| Center coordinates of site: Lat. 32.50               | 73 Long111.9100  | )  |                      |
| Name of nearest waterbody: Unname                    | ed Wash 31B  |  |                      |
| Name of nearest downstream TNW: 0 HUC Code: 15050306 | Gila River between Powers Butte  | and Gillespie Dam                          |                      |
| ✓ Map/Diagram of potential jurisdiction              | onal area is available on request  |  |                      |
| D. Review Performed for Site Evaluation              | 1:   |  |                      |
| Office Determination. Date:                          |  |  |                      |
| Field Determination. Date: 05/2012                   |  |  |                      |
| SECTION II: SUMMARY OF FINDINGS                      |  |  |                      |
| A. RHA Section 10 Determination of Ju                | risdiction   |  |                      |
| There Are No "navigable waters of t                  |  | n the review area.                         |                      |
| B. CWA Section 404 Determination of                  |  |  |                      |
|  | S." within CWA jurisdiction in the   | e review area.                             |                      |
| 1. Waters of the US:                                 |  |  |                      |
| Linear Feet  | Width (ft) and/or  | Acres                                      |                      |
| Limits of Jurisdiction based on:                     |  |  |                      |
| 2. Non-Regulated Waters/Wetlands                     |  |  |                      |
| ✓ Potentially jurisdictional waters                  |  | and determined not t                       | to be jurisdictional |
|  | s not qualify as a TNW or RPW. T<br>ssessed a significant nexus with a<br>with the downstream TNW. | •  | •                    |
| SECTION III: CWA ANALYSIS                            |  |  |                      |
| A. TNWs AND WETLANDS ADJACENT T                      | O TNWs   |  |                      |
| 1. Identified TNW:                                   |  |  |                      |
| Rationale for TNW determination:                     |  |  |                      |
|  |  |  |                      |
| 2. Rationale for conclusion that any                 | wetlands present are "adjacent   | ":   |                      |
| B. CHARACTERISTICS OF NON-TNW TR                     | IBUTARY AND ITS ADJACENT WE  | TLANDS                                     |                      |
| TNW Watershed Size (sq mi): 496                      | Tributaries flow   | to TNW:                                    | 4                    |
| Drainage Area (sq mi): 0.0                           | 0007 River Miles from  | tributary to TNW:                          | 30 (or more)         |
| Average Annual Rainfall (in): 8.5                    |  | tributary to RPW:                          |                      |
| Average Annual Snowfall (in): 0                      |  | n tributary to TNW:<br>n tributary to RPW: | 30 (or more)         |
| ☐ Project waters cross or serve as                   |  | <u> </u>                                   |                      |

Feature ID: 31B

| Feature ID: 31B   |                           |   |
|---|---------------------------|---|
| Identify flow route to  | TNW:                      |   |
| _   | •                         | a are ultimately tributary to the Santa Rosa Wash. Topography low is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural<br>Average Width (ft):<br>Average Depth (ft):<br>Average Side Slopes: | Explain: 5.63<br>1<br>2:1 |   |
| Primary tributary sub   | strate composition (ch    | eck all that apply):  |
| ✓ Silts ☐ Sands   | ·                         | Bedrock ☑ Gravel ☐ Vegetation   |
|   | Auck Other, Explai        |   |
|   | Tuck Other, Explai        | 11.   |
| Tributary Geometry: Tributary Gradient (a   | · ·                       |   |
| •   | Ephemeral                 |   |
| Surface Flow is:  | Confined                  | Characteristics:  |
| Subsurface Flow:  | No                        | Explain:  |
| Tributary Has:  |                           |   |
| ☐ Bed and Banks ☑ OHWM: OHWM Inc  | dicators:                 |   |
| $\square$ Clear, natural line i   | mpressed on the bank      | $\square$ Vegetation matted down, bent or absent  |
| Changes in soil cha   | racter                    | <ul><li>Leaf litter disturbed or washed away</li></ul>  |
| ☐ Shelving  |                           | Presence of litter and debris   |
| Sediment deposition   | on                        | Destruction of terrestrial vegetation   |

# ✓ Sediment sorting Abrupt change in plant community Scour Multiple observed or predicted flow events Presence of wrack line Water staining Other (list): Discontinuous? Explain: (iii) Chemical Characteristics: Characterize Tributary: Identify Specific Pollutants, if known:

| <ul><li>r) Biological Characteristics. Ch</li></ul> | nannel supports (check all that apply):                          |
|---|--|
| ☐ Riparian Corridor Charac                          | eteristics:  |
| ☐ Wetland Fringe Characte                           | eristics:  |
| Habitat for:  |  |
| ☐ Federally Listed Species                          | Explain:   |
| ☐ Fish/Spawn Areas                                  | Explain:   |
| $\square$ Other environmentally -se                 | ensitive species Explain:  |
| $\square$ Aquatic/Wildlife diversity                | Explain:   |
| Characteristics of wetlands a                       | discont to non TNNA/ that flow directly or indirectly into TNNA/ |
| Physical Characteristics:                           | djacent to non-TNW that flow directly or indirectly into TNW     |
| -   | Walland Torrest Control  |
| Wetland Size (ac):                                  | Wetland Type, Explain:   |
| Wetland Quality, Explain:                           | orus as Stata Doundaries Evalaina                                |
| Wetland Flow is:                                    | erve as State Boundaries, Explain:  Explain:                     |
| Surface Flow is:                                    | Characteristics:   |
| Subsurface Flow:                                    | Explain Findings:  |
|   |  |
| Wetland Directly Abutting                           |  |
| ☐ Wetland Not Directly Abu                          |  |
| Discrete wetland hydro                              | ·  |
| ☐ Ecologcal connection                              | ·  |
| ☐ Separated by berm/bar                             | ·  |
| Project Wetlands: River Mile                        |  |
| Project Wetlands: Aerial Mile                       | es from INW:   |
| Flow is From:                                       | stland within Flandalain.  |
| Approximate Location of We                          | etiand within Floodplain:  |
| ) Chemical Characteristics:                         |  |
| Characterize Wetland Syster                         | m:   |
| i) Biological Characteristics. W                    | etland supports (check all that apply):                          |
| ☐ Riparian Buffer Explain:                          |  |
| ☐ Vegetation type/percent                           |  |
| Habitat for:  | t cover. Explain.  |
| ☐ Federally Listed Species                          | s Explain:   |
| ☐ Fish/Spawn Areas Exp                              | ·  |
| ☐ Other environmentally                             |  |
| ☐ Aquatic/Wildlife Divers                           |  |
|   |  |
| Characteristics of all                              | s aujacent to the non-rivivi tributary (if any)                  |
| Characteristics of all wetlands                     |  |
| All wetland(s) considered in                        |  |

| Feature ID: 31B  C. SIGNIFICANT NEXUS DETE   | DMINIATION  |
|--|---|
| 1. Significant nexus finding   | gs for non-RPW that has no adjacent wetlands and flows directly   |
| between Powers Butte and discharges, in combination downstream manmade im possibility of a hydrologic critical habitats were ident | drainage is located more than 100 river miles from the nearest TN d Gillespie Dam. An analysis of peak yearly discharges and potential with the geomorphology of the Analysis Area, the presence of a poundment (Tat Momolikot Dam), and the distance to the TNW, connection between this drainage and the TNW is tenuous. No potified within the Analysis Area. Additionally, this unnamed ephemosymport functions, putrients, or organic carbon to species within the |

or indirectly IW. the Gila River al flood significant suggests that the llutants or eral drainage the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain: 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. **Explain:** D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE 1. TNWs and Adjacent Wetlands ☐ TNWs: Linear Feet Width (ft), Or, Acres Wetlands adjacent to TNWs: Acres Reserved for Section III D 2 (RPWs): 3. Non-RPWs that flow directly or indirectly into TNWs. ☐ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional. Length (Linear Feet): Width (feet): Acres: Reserved for Section III D 4 (Wetlands directly abutting RPWs): Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs): 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs. ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW. Estimated size of jurisdictional wetland (in acres): 7. Impoundments of jurisdictional waters. Demonstration of Jurisdiction:

E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE Supporting rationale: Acres: Length (linear feet): F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 31B  |                     |                    |            |                  |                   |  |
|--|---------------------|--------------------|------------|------------------|-------------------|--|
| As described in Section 3C possess a significant nexus |                     |                    | eral drain | age determined t | hat it did not    |  |
| Explain finding of Other:                              |                     |                    |            |                  |                   |  |
| ✓ Non-wetland waters                                   | 358.55              | linear feet (ft),  | 5.63       | width (ft)       |                   |  |
| Other waters   |                     | acres              |            |                  |                   |  |
| ☐ Wetlands   |                     | acres              |            |                  |                   |  |
| SECTION IV: DATA SOURCES                               |                     |                    |            |                  |                   |  |
| ✓ Maps, Plans, Plots or P                              | lat Submitted by    | Applicant/Consu    | ultant: V  | VestLand Resourc | es, Inc.          |  |
| ✓ Data Sheets Prepared/                                |                     | half of Applicant  |            |                  |                   |  |
| Office Concurs with                                    |                     |                    |            |                  |                   |  |
| Office Does Not Co                                     |                     | ation              |            |                  |                   |  |
| ☐ Data Sheets Prepared b                               |                     |                    |            |                  |                   |  |
| ☐ Corps Navigable Water                                | •                   |                    |            |                  |                   |  |
| US Geological Survey H □ USGS NHD Data                 | lydrologic Atlas    |                    |            |                  |                   |  |
|  | + 1111C NA          |                    |            |                  |                   |  |
| USGS 8 and 12 digi                                     |                     |                    |            |                  |                   |  |
| ✓ US Geological Survey N                               |                     |                    |            |                  |                   |  |
| Silver Reef Mounta                                     | iins SE, North Koi  | melik, and Santa R | losa Moui  | ntains NW 7.5-Mi | nute Quadrangles  |  |
| ☐ USDA Nat'l Res Conser                                | vation Service So   | oil Survey Citatio | n:         |                  |                   |  |
| National Wetlands Inventor                             | entory Maps (       | Cite Map Name:     |            |                  |                   |  |
| State/Local Wetland In                                 | ventory Maps        |                    |            |                  |                   |  |
| ☐ FEMA/FIR Maps  |                     |                    |            |                  |                   |  |
| ☐ 100-year Floodplain Ele                              |                     |                    |            |                  | al Datum of 1929) |  |
| ✓ Aerial Photographs (N                                |                     |                    |            |                  |                   |  |
| ✓ Other Photographs (N                                 | •                   |                    | •          | 2                |                   |  |
| Previous Determination                                 |                     |                    | Letter:    |                  |                   |  |
| ☐ Applicable/Supporting                                |                     |                    |            |                  |                   |  |
| Applicable/Supporting                                  | Scientific Literati | ure Citation:      |            |                  |                   |  |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION   |                          |
|---|--------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |                          |
| B. District Office and File No: Los Angeles District, File No. Pending  |                          |
| C. Project Location and Background Information: Drainage Feature 32   |                          |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties  | s, Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |                          |
| Name of nearest waterbody: Unnamed Wash 32  |                          |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam   | 1                        |
| HUC Code: 15050306  |                          |
| ✓ Map/Diagram of potential jurisdictional area is available on request  |                          |
| D. Review Performed for Site Evaluation:  |                          |
| Office Determination. Date:   |                          |
| Field Determination. Date: 05/2012  |                          |
|   |                          |
| SECTION II: SUMMARY OF FINDINGS   |                          |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.  |                          |
| ·   |                          |
| B. CWA Section 404 Determination of Jurisdiction  |                          |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.   |                          |
| 1. Waters of the US:  |                          |
| Linear Feet Width (ft) and/or Acres   |                          |
| Limits of Jurisdiction based on:  |                          |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined no</li></ul>   | ot to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drai considered jurisdictional if it possessed a significant nexus with a downstream TNV not possess a significant nexus with the downstream TNW. |                          |
| SECTION III: CWA ANALYSIS   |                          |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |                          |
| 1. Identified TNW:  |                          |
| Rationale for TNW determination:  |                          |
|   |                          |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |                          |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS   |                          |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4                        |
| Drainage Area (sq mi): 0.00070 River Miles from tributary to TNW  |                          |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:  |                          |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW Aerial Miles from tributary to RPW   |                          |
| ☐ Project waters cross or serve as state boundaries. Explain:   |                          |

| _                                     |                  | alysis Area are ultimately tributary to the Santa Rosa Wash. Topography otential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|---------------------------------------|------------------|---|
| Tributary is: Natural                 | Explai           | in:   |
| Average Width (ft):                   | 9.46             |   |
| Average Depth (ft):                   | 1                |   |
| Average Side Slopes:                  | 2:1              |   |
| ✓ Silts ☐ Sands                       | ☐ Cobble         |   |
|                                       | 1uck Othe        | er, Explain:  |
| ☐ Concrete ☐ N                        |                  |   |
| ☐ Concrete ☐ M  Tributary Condition/S | tability. Explai | ain: Stable   |
|                                       | tability. Explai | ain: Stable lexes. Explain: Not Present   |

| (c) Flow:                  |                       |            |            |             |            |                  |  |
|----------------------------|-----------------------|------------|------------|-------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average    | Flow Eve   | ents per ye | ear:       | 2-5              |  |
| Describe Flow Regime:      | Ephemeral             | Other Inf  | ormatic    | n on Dura   | tion and   | Volume:          |  |
| Surface Flow is:           | Confined              | Characte   | ristics:   |             |            |                  |  |
| Subsurface Flow:           | No                    | Explain:   |            |             |            |                  |  |
| Tributary Has:             |                       |            |            |             |            |                  |  |
| ☐ Bed and Banks            |                       |            |            |             |            |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:             |            |            |             |            |                  |  |
| ☐ Clear, natural line      | impressed on the bank |            | /egetati   | on matted   | down, b    | ent or absent    |  |
| ✓ Changes in soil cha      | aracter               |            | eaf litte. | r disturbed | d or was   | hed away         |  |
| ☐ Shelving                 |                       | □ F        | resence    | of litter a | nd debri   | S                |  |
| ☐ Sediment deposition      | on                    | <b>✓</b> [ | Destruct   | ion of terr | estrial ve | egetation        |  |
| ✓ Sediment sorting         |                       |            | Abrupt c   | hange in p  | lant com   | ımunity          |  |
| ☐ Scour                    |                       |            | Multiple   | observed    | or predic  | cted flow events |  |
| ☐ Presence of wrack        | line                  | □ <b>\</b> | Vater st   | aining      |            |                  |  |
| Other (list):              |                       |            |            |             |            |                  |  |
| ☐ Discontinuous? Ex        | xplain:               |            |            |             |            |                  |  |
| (iii) Chemical Characteris | stics:                |            |            |             |            |                  |  |
| Characterize Tributa       | ry:                   |            |            |             |            |                  |  |
| Identify Specific Poll     | •                     |            |            |             |            |                  |  |
|                            | ,                     |            |            |             |            |                  |  |
|                            |                       |            |            |             |            |                  |  |
|                            |                       |            |            |             |            |                  |  |
|                            |                       |            |            |             |            |                  |  |

| Feature ID: 32  |  |
|---|--|
| (iv) Biological Characteristics. Channel suppo  | orts (check all that apply):                     |
| Riparian Corridor Characteristics:  |  |
| ☐ Wetland Fringe Characteristics:   |  |
| Habitat for:  |  |
| ☐ Federally Listed Species Explain:   |  |
| ☐ Fish/Spawn Areas Explain:   |  |
| $\square$ Other environmentally -sensitive spec   | cies Explain:                                    |
| $\square$ Aquatic/Wildlife diversity Explain:   |  |
| 2 Characteristics of wetlands adjacent to n   | on-TNW that flow directly or indirectly into TNW |
| (i) Physical Characteristics:   | on-rive that now directly of munectly into rive  |
| •   | Wetland Type, Explain:                           |
| Wetland Quality, Explain:   |  |
| Project Wetlands Cross or Serve as State  | Boundaries, Explain:                             |
| Wetland Flow is:  | Explain:   |
| Surface Flow is:  | naracteristics:                                  |
| Subsurface Flow:  | plain Findings:                                  |
| ☐ Wetland Directly Abutting Non-TNW   |  |
| ☐ Wetland Not Directly Abutting Non-TN  | NW   |
| ☐ Discrete wetland hydrologic conne   |  |
| ☐ Ecologcal connection Explain:   |  |
| $\square$ Separated by berm/barrier Explain   | 1:   |
| Project Wetlands: River Miles from TNW  | <i>'</i> :                                       |
| Project Wetlands: Aerial Miles from TNV   | V:   |
| Flow is From:   |  |
| Approximate Location of Wetland within  | ı Floodplain:                                    |
| (ii) Chemical Characteristics:  |  |
| Characterize Wetland System:  |  |
| (iii) Biological Characteristics. Wetland supp  | orts (check all that apply):                     |
|   | orts (check all that apply).                     |
| <ul><li>Riparian Buffer Explain:</li><li>Vegetation type/percent cover. Explain</li></ul>   | ain  |
| Habitat for:  | aiii.  |
| ☐ Federally Listed Species Explain:   |  |
| ☐ Fish/Spawn Areas Explain:   |  |
| ☐ Other environmentally-sensitive sp  | pecies Explain:                                  |
| , ,   | ·  |
| ☐ Aquatic/Wildlife Diversity Explain  |  |
| , ,   | the non-TNW tributary (if any)                   |
| 3. Characteristics of all wetlands adjacent to  |  |
| Aquatic/Wildlife Diversity Explain 3. Characteristics of all wetlands adjacent to All wetland(s) considered in cumulative a Wetland acres in total being considered | analysis:  |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila Rive between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly butting RPWs):  6. Wetlands adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional wet | SIGNIFICANT NEXUS DETERMINATION   |  |
|--|---|--|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetlands adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW. Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional wetland (in acres):   |   | ent wetlands and flows directly or indirectly  |
| or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdictions:   | between Powers Butte and Gillespie Dam. An analysis of pea discharges, in combination with the geomorphology of the A downstream manmade impoundment (Tat Momolikot Dam), possibility of a hydrologic connection between this drainage critical habitats were identified within the Analysis Area. Add does not provide lifecycle support functions, nutrients, or organization of the TNW. Therefore, this unnamed epherone, the support of the TNW. | k yearly discharges and potential flood nalysis Area, the presence of a significant and the distance to the TNW, suggests that the and the TNW is tenuous. No pollutants or itionally, this unnamed ephemeral drainage ganic carbon to species within the TNW. This tial effect on the physical, chemical, and/or emeral drainage does not possess a significant |
| Explain:  DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  |   | vetlands, where the non-RPW flows directly   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  |   | W but that do not directly abut the RPW.   |
| □ TNWs: □ Linear Feet □ Width (ft), Or, □ Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs. □ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): □ Width (feet): □ Acres: □  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs. □ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  |   | ECT WATERS/WETLANDS ARE  |
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| <ul> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.         Length (Linear Feet):</li></ul>   | Reserved for Section III D 2 (RPWs):  |  |
| with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:   | 3. Non-RPWs that flow directly or indirectly into TNWs.   |  |
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| <ul> <li>6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.</li> <li>Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> <li>7. Impoundments of jurisdictional waters.</li> <li>Demonstration of Jurisdiction:</li> </ul>  | Reserved for Section III D 4 (Wetlands directly abutting RPW  | /s):   |
| <ul> <li>Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> <li>Impoundments of jurisdictional waters.</li> <li>Demonstration of Jurisdiction:</li> </ul>   | Reserved for Section III D 5 (Wetlands adjacent to but not d  | rectly abutting RPWs):   |
| has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:   | 6. Wetlands adjacent to non-RPWs that flow directly or inc  | lirectly into TNWs.  |
| 7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  | has a significant nexus with the TNW.   | ith the tributary and other adjacent wetlands,   |
| Demonstration of Jurisdiction:   | ,   |  |
|  | •   |  |
| ISULATED WATERS. INCLUDING ISOLATED WETLANDS. THE USE. DEGRADATION OR DESTRUCTION OF   |   |  |
|  | . ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE VHICH COULD AFFECT INTERSTATE COMMERCE  | USE, DEGRADATION OR DESTRUCTION OF   |
|  | Supporting rationale:   |  |
| Supporting rationale:  | Length (linear feet): Acres:  |  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 32  |   |
|---|---|
| As described in Section 3C possess a significant nexus  | 1 above, an analysis of this ephemeral drainage determined that it did not with the nearest TNW.                                    |
| Explain finding of Other:   |   |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>  | 2068.23 linear feet (ft), 9.46 width (ft) acres acres   |
| SECTION IV: DATA SOURCES  |   |
| ✓ Data Sheets Prepared/.  ☐ Office Concurs with   | lat Submitted by Applicant/Consultant: WestLand Resources, Inc.  Submitted on behalf of Applicant delineation ncur with delineation |
| <ul> <li>□ Data Sheets Prepared be</li> <li>□ Corps Navigable Water</li> <li>□ US Geological Survey He</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit</li> </ul> | Study<br>lydrologic Atlas   |
|   | Map(s) Scale and Quad Name: sins SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                              |
| ☐ USDA Nat'l Res Conserv☐ National Wetlands Inve<br>☐ State/Local Wetland In<br>☐ FEMA/FIR Maps   |   |
| ☐ 100-year Floodplain Ele   | evation is: (National Geodetic Vertical Datum of 1929)  |
| • • • •   | Name and Date): BING, Microsoft Virtual Earth 2008  |
| _   | Name and Date): Ground Photos; May 2012   |
| ☐ Applicable/Supporting   | ns File No. and Date of Response Letter:  Case Law Citation:  |
| ☐ Applicable/Supporting   |   |
| Other Information, Plea   |   |

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>     |                     |                                      |             |                       |
|--|-------------------|---------------------|--------------------------------------|-------------|-----------------------|
| A. Report Completion Date for App  | oroved Jurisdic   | tional Determinat   | tion: 07/30/                         | 2012        |                       |
| B. District Office and File No: Los  | Angeles Distric   | ct, File No. Pendin | g                                    |             |                       |
| C. Project Location and Background   | d Information:    | Drainage Feat       | ure 33                               |             |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono    | O'odham Nation,     | Pima and Pina                        | Counties, A | Arizona               |
| Center coordinates of site: Lat.   | 32.5073           | Long111             | 1.9100                               |             |                       |
| Name of nearest waterbody: Un  | named Wash 3      | 3                   |                                      |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                 | W: Gila River     | between Powers      | Butte and Gille                      | spie Dam    |                       |
| ✓ Map/Diagram of potential juris   | dictional area i  | s available on rec  | luest                                |             |                       |
| D. Review Performed for Site Evalu   | ation:            |                     |                                      |             |                       |
| Office Determination. Date:  |                   |                     |                                      |             |                       |
| Field Determination. Date: 05/2  | 2012              |                     |                                      |             |                       |
| SECTION II: SUMMARY OF FINDING   | GS                |                     |                                      |             |                       |
| A. RHA Section 10 Determination  |                   |                     |                                      |             |                       |
| There Are No "navigable waters   | s of the U.S." w  | ithin RHA jurisdio  | ction in the rev                     | iew area.   |                       |
| B. CWA Section 404 Determination   | n of Jurisdiction | on                  |                                      |             |                       |
| There Are No "waters of the  | ne U.S." within   | CWA jurisdiction    | in the review a                      | irea.       |                       |
| 1. Waters of the US:   |                   |                     |                                      |             |                       |
| Linear Feet  |                   | Width (ft) and/c    | or                                   | Acres       |                       |
| Limits of Jurisdiction based on:   |                   |                     |                                      |             |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>Potentially jurisdictional was</li> </ol> |                   | etlands were asse   | essed and dete                       | rmined not  | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne  | it possessed a    | significant nexus   | with a downst                        | ,           | •                     |
| SECTION III: CWA ANALYSIS  |                   |                     |                                      |             |                       |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs       |                     |                                      |             |                       |
| 1. Identified TNW:   |                   |                     |                                      |             |                       |
| Rationale for TNW determinat   | ion:              |                     |                                      |             |                       |
| 2. Rationale for conclusion tha  | t any wetland     | s present are "adj  | acent":                              |             |                       |
| B. CHARACTERISTICS OF NON-TN   | N TRIBUTARY       | AND ITS ADJACEN     | T WETLANDS                           |             |                       |
| TNW Watershed Size (sq mi):  | 49650             |                     | flow to TNW:                         |             | 4                     |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                 | 0.00064<br>8.5    |                     | s from tributary<br>s from tributary |             | 30 (or more)          |
| Average Annual Snowfall (in):  | 0.5               |                     | s from tributary                     |             | 30 (or more)          |
| 3  |                   |                     | s from tributar                      | •           |                       |
| ☐ Project waters cross or serv   | ve as state bou   | ndaries. Explai     | n:                                   |             |                       |

| Unnamed drainages suggests the most lik River.   |  | •  |             | •              | •     |            |  |
|--|--|--|-------------|----------------|-------|------------|--|
| Tributary is: Natural  |  | Explain:   |             |                |       |            |  |
| Average Width (ft):  | 10.20  |  |             |                |       |            |  |
| Average Depth (ft):  | 1  |  |             |                |       |            |  |
| Average Side Slopes:   | 2.1  |  |             |                |       |            |  |
|  |  | compositio   | n (check al | I that apply): |       |            |  |
| Primary tributary sub  ☑ Silts ☐ Sands   | ostrate o  | Cobbles  | Bedro       |                | vel 🗆 | Vegetation |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  | ostrate o  | Cobbles<br>Other, E  | ☐ Bedro     |                | vel 🗆 | Vegetation |  |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N  Tributary Condition/                        | ostrate of the state of the sta | Cobbles Other, E   | ☐ Bedro     | ock 🗹 Grav     |       | Vegetation |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Fributary Condition/S  Presence of Run/Riff | ostrate of the state of the sta | Cobbles Other, E Explain: Complexes                        | Bedro       |                |       | Vegetation |  |
| Primary tributary sub  ☑ Silts ☐ Sands   | ostrate of Garage of Garag | Other, E<br>Canalist Explain:<br>Complexes<br>tively Strai | Bedro       | ock 🗹 Grav     |       | Vegetation |  |

| (c) Flow:                  |                      |            |           |             |            |                  |  |
|----------------------------|----------------------|------------|-----------|-------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow       | Average    | Flow Eve  | ents per ye | ear:       | 2-5              |  |
| Describe Flow Regime:      | Ephemeral            | Other Inf  | ormatio   | n on Dura   | tion and   | Volume:          |  |
| Surface Flow is:           | Confined             | Characte   | ristics:  |             |            |                  |  |
| Subsurface Flow:           | No                   | Explain:   |           |             |            |                  |  |
| Tributary Has:             |                      |            |           |             |            |                  |  |
| ☐ Bed and Banks            |                      |            |           |             |            |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:            |            |           |             |            |                  |  |
| ☐ Clear, natural line i    | mpressed on the bank | · □ \      | /egetatio | on matted   | down, b    | ent or absent    |  |
| ✓ Changes in soil cha      | racter               |            | eaf litte | r disturbe  | d or was   | hed away         |  |
| ☐ Shelving                 |                      | □ P        | resence   | of litter a | nd debri   | S                |  |
| ☐ Sediment deposition      | on                   | ✓ [        | Destructi | ion of terr | estrial ve | egetation        |  |
| ✓ Sediment sorting         |                      |            | Abrupt cl | hange in p  | lant con   | nmunity          |  |
| ☐ Scour                    |                      |            | Multiple  | observed    | or predi   | cted flow events |  |
| ☐ Presence of wrack        | line                 | □ <b>\</b> | Vater sta | aining      |            |                  |  |
| Other (list):              |                      |            |           |             |            |                  |  |
| ☐ Discontinuous? Ex        | xplain:              |            |           |             |            |                  |  |
| (iii) Chemical Characteris | tics:                |            |           |             |            |                  |  |
| Characterize Tributa       | ry:                  |            |           |             |            |                  |  |
| Identify Specific Poll     | •                    |            |           |             |            |                  |  |
| , ,                        | •                    |            |           |             |            |                  |  |
|                            |                      |            |           |             |            |                  |  |
|                            |                      |            |           |             |            |                  |  |
|                            |                      |            |           |             |            |                  |  |

| iv) Biological Characterist  | ics. Channel supports (check all that apply):                            |
|--|--|
| ☐ Riparian Corridor(   | Characteristics:   |
| ☐ Wetland Fringe Ch  | aracteristics:   |
| Habitat for:   |  |
| ☐ Federally Listed Spe   | ecies Explain:   |
| ☐ Fish/Spawn Areas   | Explain:   |
| ☐ Other environment  | ally -sensitive species Explain:   |
| $\square$ Aquatic/Wildlife div   | versity Explain:   |
| Characteristics of wetls   | ands adjacent to non TNNA/ that flavy directly, or indirectly into TNNA/ |
| i) Physical Characteristics  | ands adjacent to non-TNW that flow directly or indirectly into TNW :     |
| Wetland Size (ac):   | Wetland Type, Explain:   |
| Wetland Quality, Expla   | ain:   |
| Project Wetlands Cros  | ss or Serve as State Boundaries, Explain:                                |
| Wetland Flow is:   | Explain:   |
| Surface Flow is:   | Characteristics:   |
| Subsurface Flow:   | Explain Findings:  |
| ☐ Wetland Directly Al  | butting Non-TNW  |
| ☐ Wetland Not Direct   |  |
|  | Hydrologic connection Explain:   |
| ☐ Ecologcal connec   |  |
| ☐ Separated by ber   | rm/barrier Explain:  |
| Project Wetlands: Rive   | er Miles from TNW:   |
| Project Wetlands: Aer  | ial Miles from TNW:  |
| Flow is From:  |  |
| Approximate Location   | of Wetland within Floodplain:  |
| ii) Chemical Characteristic  | cs:  |
| Characterize Wetland   |  |
|  |  |
| -  | cics. Wetland supports (check all that apply):                           |
| Riparian Buffer  |  |
| •  | ercent cover. Explain:   |
| Habitat for:   |  |
| ☐ Federally Listed S   |  |
| ☐ Fish/Spawn Area  | ·  |
| • •  | entally-sensitive species Explain:                                       |
| ☐ Other environme  | ·  |
| • •  | ·  |
| ☐ Other environme☐ Aquatic/Wildlife  | ·  |
| ☐ Other environme☐ Aquatic/Wildlife  3. Characteristics of all we                      | Diversity Explain:   |
| Other environmed Aquatic/Wildlife  3. Characteristics of all we All wetland(s) conside | Diversity Explain: etlands adjacent to the non-TNW tributary (if any)    |

|   | <b>NEXUS DET</b>  | ERMINATION   | ı   |  |   |   |
|---|---|--|---|--|---|---|
| 1. Significant into TNW. Ex   |   | ngs for non-R  | PW that has no  | adjacent wetland   | s and flows dire  | ectly or indirectly   |
| between Pow<br>discharges, in<br>downstream<br>possibility of<br>critical habita<br>does not pro-<br>drainage doe<br>biological int | vers Butte ar<br>n combinatio<br>manmade in<br>a hydrologic<br>ats were ider<br>vide lifecycle<br>s not have m<br>egrity of the | nd Gillespie Don with the ge mpoundment connection be ntified within e support function than a span TNW. Therefore | am. An analysis comorphology of (Tat Momolikot petween this drathe Analysis Arections, nutrients peculative or instore, this unname | of peak yearly disc<br>f the Analysis Area<br>t Dam), and the dis<br>ainage and the TNV<br>ea. Additionally, thi<br>s, or organic carbor<br>substantial effect o | tharges and poto<br>, the presence of<br>tance to the TN<br>V is tenuous. No<br>s unnamed eph<br>of to species with<br>In the physical, conage does not p | of a significant<br>W, suggests that the<br>o pollutants or<br>emeral drainage<br>nin the TNW. This |
| 2. Significant or indirectly  |   | •  | PW and its adja   | acent wetlands, wi   | nere the non-RP   | W flows directly  |
| 3. Significant Explain:   | nexus findi   | ngs for wetla  | nds adjacent to   | an RPW but that o  | do not directly a   | abut the RPW.   |
|   |   |  |   |  |   |   |
|   |   |  | L FINDINGS. TH  | IE SUBJECT WATER   | S/WETLANDS A  | ARE   |
| 1. TNWs and   | Adjacent W  | etlands  |   |  |   |   |
| ☐ TNWs:   |   | Linear Feet  |   | Width (ft), Or,  |   | Acres   |
| Wetland   | s adjacent to   | TNWs:  | Acres   |  |   |   |
| Reserved for  | Section III D   | 2 (RPWs):  |   |  |   |   |
| 3. Non-RPW  | s that flow d   | irectly or ind   | lirectly into TNV   | Vs.  |   |   |
| ☐ Non-TNW   |   | waterbody tha<br>erfore jurisdic   | •   | or indirectly into a   | TNW and has a   | signficant nexus  |
| with a TN   | inear Feet):  |  | Width (feet):   | Ad   | cres:   |   |
|   |   |  |   |  |   |   |
| Length (L   | r Section III [   | ) 4 (Wetlands  | s directly abuttir  | ng RPWs):  |   |   |
| Length (L<br>Reserved fo  |   | •  | •   | ng RPWs):<br>t not directly abutt  | ing RPWs):  |   |
| Length (L<br>Reserved fo<br>Reserved fo   | r Section III [   | D 5 (Wetlands  | s adjacent to but   |  |   |   |
| Length (L<br>Reserved fo<br>Reserved fo<br><b>6. Wetlands</b> Wetland   | r Section III E<br>adjacent to<br>adjacent to   | O 5 (Wetlands  | s adjacent to but<br>hat flow directly<br>hich, in combina  | t not directly abutt   | TNWs.   | adjacent wetlands,  |
| Length (L<br>Reserved fo<br>Reserved fo<br>6. Wetlands<br>Wetland<br>has a sig  | r Section III E<br>adjacent to<br>adjacent to<br>nificant nexu  | O 5 (Wetlands<br>non-RPWs th<br>non-RPWs wh<br>us with the TN  | s adjacent to but<br>hat flow directly<br>hich, in combina  | t not directly abutt  or indirectly into  ation with the tribu   | TNWs.   | adjacent wetlands,  |
| Length (L<br>Reserved fo<br>Reserved fo<br>6. Wetlands<br>Wetland<br>has a sig<br>Estimate  | r Section III E<br>adjacent to<br>adjacent to<br>nificant nexu<br>d size of juris   | O 5 (Wetlands<br>non-RPWs th<br>non-RPWs wh<br>us with the TN  | s adjacent to but<br>hat flow directly<br>hich, in combina<br>NW.<br>tland (in acres):  | t not directly abutt  or indirectly into  ation with the tribu   | TNWs.   | adjacent wetlands,  |
| Length (L<br>Reserved fo<br>Reserved fo<br>6. Wetlands<br>Wetland<br>has a sig<br>Estimate<br>7. Impound                            | r Section III E<br>adjacent to<br>adjacent to<br>nificant nexu<br>d size of juris   | D 5 (Wetlands<br>non-RPWs th<br>non-RPWs wh<br>is with the TN<br>sdictional we<br>isdictional wa                   | s adjacent to but<br>hat flow directly<br>hich, in combina<br>NW.<br>tland (in acres):  | t not directly abutt  or indirectly into  ation with the tribu   | TNWs.   | adjacent wetlands,  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 33   |   |
|--|---|
| As described in Section 30 possess a significant nexu  | C1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW.                                 |
| Explain finding of Other:  |   |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 1736.17 linear feet (ft), 10.20 width (ft) acres acres  |
| SECTION IV: DATA SOURCES   |   |
| ✓ Data Sheets Prepared,  ☐ Office Concurs with   | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  /Submitted on behalf of Applicant  In delineation  In delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey I</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas   |
|  | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                              |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul>                            |   |
| ☐ 100-year Floodplain El   | evation is: (National Geodetic Vertical Datum of 1929)  |
|  | Name and Date): BING, Microsoft Virtual Earth 2008  |
| Other Photographs (  | Name and Date): Ground Photos; May 2012   |
|  | ons File No. and Date of Response Letter:   |
| ☐ Applicable/Supporting  |   |
| <ul><li>Applicable/Supporting</li><li>Other Information, Ple</li></ul>   |   |

| SECTION I: BACKGROUND INFORMATION   |                       |
|---|-----------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |                       |
| 3. District Office and File No: Los Angeles District, File No. Pending  |                       |
| C. Project Location and Background Information: Drainage Feature 34   |                       |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties, A   | rizona                |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |                       |
| Name of nearest waterbody: Unnamed Wash 34  |                       |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam   |                       |
| HUC Code: 15050306  |                       |
| ✓ Map/Diagram of potential jurisdictional area is available on request  |                       |
| D. Review Performed for Site Evaluation:  |                       |
| Office Determination. Date:   |                       |
| Field Determination. Date: 05/2012  |                       |
|   |                       |
| SECTION II: SUMMARY OF FINDINGS  A BULA Section 10 Determination of luvir diction   |                       |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.  |                       |
| B. CWA Section 404 Determination of Jurisdiction  |                       |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.   |                       |
| 1. Waters of the US:  |                       |
| Linear Feet Width (ft) and/or Acres   |                       |
| Limits of Jurisdiction based on:  |                       |
|   |                       |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined not to the second second</li></ul> | to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drainage considered jurisdictional if it possessed a significant nexus with a downstream TNW.   |                       |
| not possess a significant nexus with the downstream TNW.  | This aramage acco     |
| SECTION III: CWA ANALYSIS   |                       |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |                       |
| 1. Identified TNW:  |                       |
| Rationale for TNW determination:  |                       |
|   |                       |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |                       |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS   |                       |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4                     |
| Drainage Area (sq mi): 0.00018 River Miles from tributary to TNW:   | 30 (or more)          |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW: Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW:  | 30 (or more)          |
| Average Aiman showair (iii).  Aerial Miles from tributary to RPW:   | 55 (61 111616)        |
| ☐ Project waters cross or serve as state boundaries. Explain:   |                       |

| Identify flow route to                                | TNW:  |   |
|---|---|---|
| _   | •   | is Area are ultimately tributary to the Santa Rosa Wash. Topography<br>ntial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural                                 | Explain:  |   |
| Average Width (ft):                                   | 9.43  |   |
| Average Depth (ft):                                   | 1   |   |
| Average Side Slopes:                                  | 2:1   |   |
| Primary tributary sub                                 | ostrate compositi   | on (check all that apply):  |
| ✓ Silts ☐ Sands                                       | G Cobbles □   | on (check all that apply):  ☐ Bedrock ☑ Gravel ☐ Vegetation  Explain:   |
| ✓ Silts ☐ Sands                                       | Cobbles  Muck Other,  | ☐ Bedrock ✓ Gravel ☐ Vegetation   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M                        | Cobbles  Muck Other,  Stability. Explain:                   | ☐ Bedrock ☑ Gravel ☐ Vegetation  Explain:  Stable   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/S | Cobbles  Muck Other,  Stability. Explain:  Ie/Pool Complexe | ☐ Bedrock   |

| (c) Flow:                  |                       |  |                     |
|----------------------------|-----------------------|--|---------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average Flow Events per year:                  | 2-5                 |
| Describe Flow Regime:      | Ephemeral             | Other Information on Duration                  | and Volume:         |
| Surface Flow is:           | Confined              | Characteristics:                               |                     |
| Subsurface Flow:           | No                    | Explain:                                       |                     |
| Tributary Has:             |                       |  |                     |
| ☐ Bed and Banks            |                       |  |                     |
| ✓ OHWM: OHWM Inc           | dicators:             |  |                     |
| ☐ Clear, natural line      | impressed on the bank | ☐ Vegetation matted dow                        | n, bent or absent   |
| Changes in soil cha        | aracter               | $\Box$ Leaf litter disturbed or $v$            | vashed away         |
| ☐ Shelving                 |                       | $\square$ Presence of litter and de            | ebris               |
| ☐ Sediment deposition      | on                    | Destruction of terrestria                      | al vegetation       |
| Sediment sorting           |                       | $\square$ Abrupt change in plant $\mathfrak c$ | community           |
| ☐ Scour                    |                       | $\square$ Multiple observed or pr              | edicted flow events |
| ☐ Presence of wrack        | line                  | $\square$ Water staining                       |                     |
| Other (list):              |                       |  |                     |
| ☐ Discontinuous? Ex        | kplain:               |  |                     |
| (iii) Chemical Characteris | itics:                |  |                     |
| Characterize Tributa       | ry:                   |  |                     |
| Identify Specific Poll     | •                     |  |                     |
| identity openior on        |                       |  |                     |
|                            |                       |  |                     |
|                            |                       |  |                     |
|                            |                       |  |                     |
|                            |                       |  |                     |

| Feature ID: 34  |      |
|---|------|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |      |
| Riparian Corridor Characteristics:  |      |
| ☐ Wetland Fringe Characteristics:   |      |
| Habitat for:  |      |
| Federally Listed Species Explain:   |      |
| ☐ Fish/Spawn Areas Explain:   |      |
| Other environmentally -sensitive species Explain:   |      |
| ☐ Aquatic/Wildlife diversity Explain:   |      |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW (i) Physical Characteristics:  |      |
| Wetland Size (ac): Wetland Type, Explain:   |      |
| Wetland Quality, Explain:   |      |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |      |
| Wetland Flow is: Explain:   |      |
| Surface Flow is: Characteristics:   |      |
| Subsurface Flow: Explain Findings:  |      |
| <ul> <li>□ Wetland Directly Abutting Non-TNW</li> <li>□ Wetland Not Directly Abutting Non-TNW</li> <li>□ Discrete wetland hydrologic connection Explain:</li> <li>□ Ecological connection Explain:</li> <li>□ Separated by berm/barrier Explain:</li> <li>Project Wetlands: River Miles from TNW:</li> <li>Project Wetlands: Aerial Miles from TNW:</li> <li>Flow is From:</li> <li>Approximate Location of Wetland within Floodplain:</li> <li>(ii) Chemical Characteristics:</li> </ul> |      |
| Characterize Wetland System:  |      |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |      |
| ☐ Riparian Buffer Explain:  |      |
| ☐ Vegetation type/percent cover. Explain:   |      |
| Habitat for:  |      |
| ☐ Federally Listed Species Explain:   |      |
| ☐ Fish/Spawn Areas Explain:   |      |
| Other environmentally-sensitive species Explain:  |      |
| ☐ Aquatic/Wildlife Diversity Explain:   |      |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |      |
| All wetland(s) considered in cumulative analysis:   |      |
| Wetland acres in total being considered in cumulative analysis:   |      |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functio   | ns): |
|   |      |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirection into TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gilbetween Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood  | ctly                       |
|--|----------------------------|
| · · · · · · · · · · · · · · · · · · ·  |                            |
| discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainad does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. Therainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant discount of the Gila River between Powers Butte and Gillespie Dam. | hat the<br>ge<br>his<br>or |
| <ol><li>Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly into TNW. Explain:</li></ol>  | ctly                       |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.<br>Explain:   | •                          |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):   |                            |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  |                            |
| □ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant new with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  | xus                        |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |                            |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |                            |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   |                            |
| ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands a significant nexus with the TNW.  | ands,                      |
| Estimated size of jurisdictional wetland (in acres):   |                            |
| 7. Impoundments of jurisdictional waters.  |                            |
| Demonstration of Jurisdiction:   |                            |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 34  |  |
|---|--|
| As described in Section 3C possess a significant nexus  | 1 above, an analysis of this ephemeral drainage determined that it did not swith the nearest TNW.                                    |
| Explain finding of Other:   |  |
| <ul><li>Non-wetland waters</li><li>Other waters</li><li>Wetlands</li></ul>  | 527.74 linear feet (ft), 9.43 width (ft) acres acres   |
| SECTION IV: DATA SOURCES  |  |
| ✓ Data Sheets Prepared/  ☐ Office Concurs with  | lat Submitted by Applicant/Consultant: WestLand Resources, Inc.  Submitted on behalf of Applicant delineation  ncur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Water</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit</li> </ul> | Study<br>lydrologic Atlas  |
|   | Map(s) Scale and Quad Name: sins SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                               |
| ☐ USDA Nat'l Res Conser☐ National Wetlands Invo   | , ,  |
| ☐ 100-year Floodplain Ele   | evation is: (National Geodetic Vertical Datum of 1929)   |
|   | Name and Date): BING, Microsoft Virtual Earth 2008   |
| ✓ Other Photographs (I  | Name and Date): Ground Photos; May 2012  |
| _   | ns File No. and Date of Response Letter:   |
| Applicable/Supporting   |  |
| <ul><li>Applicable/Supporting</li><li>Other Information, Ple</li></ul>  |  |

| SECTION I: BACKGROUND INFORMATION   |                      |
|---|----------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |                      |
| B. District Office and File No: Los Angeles District, File No. Pending  |                      |
| C. Project Location and Background Information: Drainage Feature 35   |                      |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties, A   | rizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |                      |
| Name of nearest waterbody: Unnamed Wash 35  |                      |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam   |                      |
| HUC Code: 15050306  |                      |
| ☑ Map/Diagram of potential jurisdictional area is available on request  |                      |
| D. Review Performed for Site Evaluation:  |                      |
| Office Determination. Date:   |                      |
| Field Determination. Date: 05/2012  |                      |
| SECTION II: SUMMARY OF FINDINGS   |                      |
| A. RHA Section 10 Determination of Jurisdiction   |                      |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.   |                      |
| B. CWA Section 404 Determination of Jurisdiction  There Are No  "waters of the U.S." within CWA jurisdiction in the review area.  1. Waters of the US:  |                      |
| Linear Feet Width (ft) and/or Acres   |                      |
| Limits of Jurisdiction based on:  |                      |
| <ul> <li>Non-Regulated Waters/Wetlands:</li> <li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined not to the second second</li></ul> | o be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drainage considered jurisdictional if it possessed a significant nexus with a downstream TNW. not possess a significant nexus with the downstream TNW.  | •                    |
| SECTION III: CWA ANALYSIS   |                      |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |                      |
| 1. Identified TNW:  |                      |
| Rationale for TNW determination:  |                      |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |                      |
|   |                      |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                    |
| Drainage Area (sq mi): 0.00084 River Miles from tributary to TNW:   | 30 (or more)         |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:  |                      |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW: Aerial Miles from tributary to RPW:   | 30 (or more)         |
| ☐ Project waters cross or serve as state boundaries. Explain:   |                      |

| Identify flow route to<br>Unnamed drainages<br>suggests the most lik<br>River. | within t                          | •                                 |   |              |             | Rosa Wash. Topograp<br>ruz Wash to the Gila |
|--|-----------------------------------|-----------------------------------|---|--------------|-------------|---|
| Tributary is: Natural  |                                   | Explain:                          |   |              |             |   |
| Average Width (ft):  | 13.38                             |                                   |   |              |             |   |
| Average Depth (ft):  | 1                                 |                                   |   |              |             |   |
|  |                                   |                                   |   |              |             |   |
| Average Side Slopes:<br>Primary tributary sub                                  |                                   | compositio                        | n (check all                            | that apply): |             |   |
| Primary tributary sub  | strate                            | compositio<br>Cobbles<br>Other, E | Bedro                                   |              | □ Vegetatio | on  |
| Primary tributary sub  | ostrate<br>S                      | Cobbles Other, E                  | Bedro                                   |              | □ Vegetatio | on  |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/              | ostrate  Muck Stability           | Cobbles Other, E                  | ☐ Bedro                                 |              | □ Vegetatio | on  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                          | ostrate  Muck  Stability  Je/Pool | Cobbles Other, E                  | ☐ Bedro  Explain:  Stable  St. Explain: | ck ☑ Gravel  | □ Vegetatio | on  |

| (c) Flow:                     |                       |            |                  |             |           |                   |
|-------------------------------|-----------------------|------------|------------------|-------------|-----------|-------------------|
| Tributary Provides for:       | Ephemeral Flow        | Average I  | Flow Eve         | nts per y   | ear:      | 2-5               |
| Describe Flow Regime:         | Ephemeral             | Other Inf  | ormation         | n on Dura   | ation and | d Volume:         |
| Surface Flow is:              | Confined              | Characte   | Characteristics: |             |           |                   |
| Subsurface Flow:              | No                    | Explain:   |                  |             |           |                   |
| Tributary Has:                |                       |            |                  |             |           |                   |
| ☐ Bed and Banks               |                       |            |                  |             |           |                   |
| ✓ OHWM: OHWM Inc              | dicators:             |            |                  |             |           |                   |
| $\square$ Clear, natural line | impressed on the bank | □v         | egetatio/        | n matted    | d down,   | bent or absent    |
| Changes in soil changes       |                       |            | eaf litter       | disturbe    | d or wa   | shed away         |
| ☐ Shelving                    |                       | □ P        | resence          | of litter a | and debi  | ris               |
| ☐ Sediment deposition         | on                    |            | estructio        | on of ter   | estrial v | regetation        |
| Sediment sorting              |                       |            | brupt ch         | ange in p   | olant cor | nmunity           |
| ☐ Scour                       |                       |            | /lultiple o      | bserved     | or pred   | icted flow events |
| ☐ Presence of wrack           | line                  | □ <b>v</b> | Vater sta        | ining       |           |                   |
| Other (list):                 |                       |            |                  |             |           |                   |
| ☐ Discontinuous? Ex           | kplain:               |            |                  |             |           |                   |
| (iii) Chemical Characteris    | tics:                 |            |                  |             |           |                   |
| Characterize Tributa          | ry:                   |            |                  |             |           |                   |
| Identify Specific Poll        | utants, if known:     |            |                  |             |           |                   |
| racinary Specific Follo       | acanco, ii knowii.    |            |                  |             |           |                   |
|                               |                       |            |                  |             |           |                   |
|                               |                       |            |                  |             |           |                   |
|                               |                       |            |                  |             |           |                   |

| iv) Biological Characteristics. Channel supports (check all that apply):   |               |
|--|---------------|
| Riparian Corridor Characteristics:   |               |
| ☐ Wetland Fringe Characteristics:  |               |
| Habitat for:   |               |
| ☐ Federally Listed Species Explain:  |               |
| ☐ Fish/Spawn Areas Explain:  |               |
| ☐ Other environmentally -sensitive species Explain:  |               |
| ☐ Aquatic/Wildlife diversity Explain:  |               |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly  | v into TNW    |
| (i) Physical Characteristics:  | y IIIto Tivvv |
| Wetland Size (ac): Wetland Type, Explain:  |               |
| Wetland Quality, Explain:  |               |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |               |
| Wetland Flow is: Explain:  |               |
| Surface Flow is: Characteristics:  |               |
| Subsurface Flow: Explain Findings:   |               |
| ☐ Wetland Directly Abutting Non-TNW  |               |
| ☐ Wetland Not Directly Abutting Non-TNW  |               |
| ☐ Discrete wetland hydrologic connection Explain:  |               |
| ☐ Ecologcal connection Explain:  |               |
| ☐ Separated by berm/barrier Explain:   |               |
| Project Wetlands: River Miles from TNW:  |               |
| Project Wetlands: Aerial Miles from TNW:   |               |
| Flow is From:  |               |
| Approximate Location of Wetland within Floodplain:   |               |
| (ii) Chemical Characteristics:   |               |
| Characterize Wetland System:   |               |
| iii) Biological Characteristics. Wetland supports (check all that apply):  |               |
| Riparian Buffer Explain:   |               |
| ☐ Vegetation type/percent cover. Explain:  |               |
| Habitat for:   |               |
| ☐ Federally Listed Species Explain:  |               |
| ☐ Fish/Spawn Areas Explain:  |               |
| ☐ Other environmentally-sensitive species Explain:   |               |
| ·  |               |
| ☐ Aquatic/Wildlife Diversity Explain:  |               |
|  |               |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |               |
| Aquatic/Wildlife Diversity Explain:  3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis: |               |

| C. SIGNIFICANT NEXUS DE   | TERMINATION  |
|---|--|
| 1. Significant nexus find into TNW. Explain:  | dings for non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte discharges, in combinat downstream manmade possibility of a hydrolog critical habitats were id does not provide lifecyc drainage does not have biological integrity of the   | ral drainage is located more than 100 river miles from the nearest TNW, the Gila River and Gillespie Dam. An analysis of peak yearly discharges and potential flood tion with the geomorphology of the Analysis Area, the presence of a significant impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the gic connection between this drainage and the TNW is tenuous. No pollutants or entified within the Analysis Area. Additionally, this unnamed ephemeral drainage cle support functions, nutrients, or organic carbon to species within the TNW. This more than a speculative or insubstantial effect on the physical, chemical, and/or ne TNW. Therefore, this unnamed ephemeral drainage does not possess a significant ach of the Gila River between Powers Butte and Gillespie Dam.   |
| 2. Significant nexus find or indirectly into TNW.   | dings for non-RPW and its adjacent wetlands, where the non-RPW flows directly . Explain:   |
| 3. Significant nexus fine Explain:  | dings for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| <ul><li>☐ TNWs:</li><li>☐ Wetlands adjacent</li></ul>   |  |
| Reserved for Section III  | D 2 (RPWs):  |
| Reserved for Section III  3. Non-RPWs that flow   |  |
| 3. Non-RPWs that flow  Non-TNW/non-RPW with a TNW, and is t   | directly or indirectly into TNWs.  What was a significant nexus therfore jurisdictional.   |
| 3. Non-RPWs that flow  Non-TNW/non-RPW with a TNW, and is t Length (Linear Feet)  | w directly or indirectly into TNWs.  W waterbody that flows directly or indirectly into a TNW and has a significant nexus therfore jurisdictional.  Width (feet): Acres:   |
| 3. Non-RPWs that flow  Non-TNW/non-RPW with a TNW, and is t Length (Linear Feet) Reserved for Section II  | waterbody that flows directly or indirectly into a TNW and has a significant nexus therfore jurisdictional.  Width (feet): Acres:  |
| 3. Non-RPWs that flow  Non-TNW/non-RPW with a TNW, and is t Length (Linear Feet) Reserved for Section II Reserved for Section II  | w directly or indirectly into TNWs.  W waterbody that flows directly or indirectly into a TNW and has a signficant nexus therfore jurisdictional.  Width (feet): Acres:  ID 4 (Wetlands directly abutting RPWs):  II D 5 (Wetlands adjacent to but not directly abutting RPWs):  |
| 3. Non-RPWs that flow with a TNW/non-RPW with a TNW, and is the Length (Linear Feet) Reserved for Section II Reserved for Section II 6. Wetlands adjacent to has a significant necession.   | waterbody that flows directly or indirectly into a TNW and has a signficant nexus therfore jurisdictional.  Width (feet): Acres:  II D 4 (Wetlands directly abutting RPWs):  II D 5 (Wetlands adjacent to but not directly abutting RPWs):  to non-RPWs that flow directly or indirectly into TNWs.  to non-RPWs which, in combination with the tributary and other adjacent wetlands, xus with the TNW.   |
| 3. Non-RPWs that flow with a TNW/non-RPW with a TNW, and is the Length (Linear Feet) Reserved for Section II Reserved for Section II 6. Wetlands adjacent to has a significant necession.   | waterbody that flows directly or indirectly into a TNW and has a significant nexus therfore jurisdictional.  Width (feet): Acres:  If D 4 (Wetlands directly abutting RPWs):  If D 5 (Wetlands adjacent to but not directly abutting RPWs):  to non-RPWs that flow directly or indirectly into TNWs.  To non-RPWs which, in combination with the tributary and other adjacent wetlands, xus with the TNW.  It is dictional wetland (in acres):   |
| 3. Non-RPWs that flow with a TNW/non-RPW with a TNW, and is to Length (Linear Feet) Reserved for Section II Reserved for Section II 6. Wetlands adjacent to has a significant necessimated size of juice size of juice size of juice size of juice size size of juice size size of juice size of juice size size of juice size size of juice size size size size size size size siz | waterbody that flows directly or indirectly into a TNW and has a signficant nexus therfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  To non-RPWs that flow directly or indirectly into TNWs.  To non-RPWs which, in combination with the tributary and other adjacent wetlands, xus with the TNW.  D 5 (Wetlands adjacent wetlands):  D 6 (Wetlands adjacent to but not directly into TNWs.  D 7 (Wetlands adjacent wetlands):  D 8 (Wetlands adjacent to but not directly abutting RPWs):  D 9 (Wetlands adjacent to but not directly abutting RPWs):  D 10 (Wetlands adjacent to but not directly abutting RPWs):  D 10 (Wetlands adjacent to but not directly abutting RPWs):  D 10 (Wetlands adjacent to but not directly abutting RPWs):  D 10 (Wetlands adjacent to but not directly abutting RPWs):  D 10 (Wetlands adjacent to but not directly abutting RPWs):  D 2 (Wetlands adjacent to but not directly abutting RPWs):  D 3 (Wetlands adjacent to but not directly abutting RPWs):  D 4 (Wetlands adjacent to but not directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  D 6 (Wetlands adjacent to but not directly abutting RPWs):  D 7 (Wetlands adjacent to but not directly abutting RPWs):  D 8 (Wetlands adjacent to but not directly abutting RPWs): |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 35                   |                       |                           |                     |                  |
|----------------------------------|-----------------------|---------------------------|---------------------|------------------|
| As described in Section 3C       | •                     | •                         | nage determined th  | nat it did not   |
| possess a significant nexus      | with the nearest T    | NW.                       |                     |                  |
| Explain finding of Other:        |                       |                           |                     |                  |
| ✓ Non-wetland waters             | 1760.00 lin           | ear feet (ft), 13.3       | 8 width (ft)        |                  |
| $\square$ Other waters           | acı                   | res                       |                     |                  |
| ☐ Wetlands                       | acı                   | res                       |                     |                  |
| SECTION IV: DATA SOURCES         |                       |                           |                     |                  |
| ✓ Maps, Plans, Plots or P        | lat Submitted by      | Applicant/Consultant:     | WestLand Resource   | es. Inc.         |
| ✓ Data Sheets Prepared/          |                       |                           |                     |                  |
| $\Box$ Office Concurs with       |                       |                           |                     |                  |
| ☐ Office Does Not Co             | ncur with delineatic  | on                        |                     |                  |
| ☐ Data Sheets Prepared I         | oy the Corps          |                           |                     |                  |
| ☐ Corps Navigable Water          | · Study               |                           |                     |                  |
| $\square$ US Geological Survey F | lydrologic Atlas      |                           |                     |                  |
| USGS NHD Data                    |                       |                           |                     |                  |
| $\square$ USGS 8 and 12 digi     | t HUC Map             |                           |                     |                  |
| ✓ US Geological Survey N         | Map(s) Scale and C    | Quad Name:                |                     |                  |
|                                  | • • •                 | elik, and Santa Rosa Mo   | ıntains NW 7.5-Min  | ute Quadrangles  |
| ☐ USDA Nat'l Res Conser          | vation Service Soil S | Survey Citation:          |                     |                  |
| ☐ National Wetlands Inve         |                       | e Map Name:               |                     |                  |
| ☐ State/Local Wetland In         | •                     | •                         |                     |                  |
| ☐ FEMA/FIR Maps                  |                       |                           |                     |                  |
| ☐ 100-year Floodplain Ele        | evation is:           | (Nation                   | al Geodetic Vertica | l Datum of 1929) |
| Aerial Photographs (I            | Name and Date): B     | BING, Microsoft Virtual E | arth 2008           |                  |
| ✓ Other Photographs (I           | Name and Date): G     | Ground Photos; May 201    | 2                   |                  |
| Previous Determinatio            | ns File No. and Da    | ate of Response Letter:   |                     |                  |
| $\square$ Applicable/Supporting  | Case Law Citation     | ո։                        |                     |                  |
| $\square$ Applicable/Supporting  | Scientific Literature | e Citation:               |                     |                  |
| Other Information, Ple           | ase Specify:          |                           |                     |                  |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>       |                      |   |                           |
|---|---------------------|----------------------|---|---------------------------|
| A. Report Completion Date for App   | oroved Jurisdiction | onal Determination   | : 07/30/2012                              |                           |
| B. District Office and File No: Los   | Angeles District,   | File No. Pending     |   |                           |
| C. Project Location and Background  | d Information:      | Drainage Feature     | 36  |                           |
| City, County, State Sif Oidak Dis   | strict, Tohono O'   | odham Nation, Pin    | na and Pinal Count                        | ies, Arizona              |
| Center coordinates of site: Lat.  | 32.5073             | Long111.91           | .00                                       |                           |
| Name of nearest waterbody: Un   | named Wash 36       |                      |   |                           |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River be    | etween Powers But    | te and Gillespie Da                       | am                        |
| ✓ Map/Diagram of potential juris  | dictional area is   | available on reques  | st  |                           |
| D. Review Performed for Site Evalu  | ation:              |                      |   |                           |
| Office Determination. Date:   |                     |                      |   |                           |
| Field Determination. Date: 05/  | 2012                |                      |   |                           |
| SECTION II: SUMMARY OF FINDIN   | GS                  |                      |   |                           |
| A. RHA Section 10 Determination   |                     |                      |   |                           |
| There Are No "navigable waters  |                     | hin RHA jurisdictio  | n in the review are                       | ea.                       |
| B. CWA Section 404 Determination  | on of Jurisdiction  |                      |   |                           |
| There Are No "waters of the   | ne U.S." within C   | WA jurisdiction in t | the review area.                          |                           |
| 1. Waters of the US:  |                     |                      |   |                           |
| Linear Feet   | \                   | Width (ft) and/or    | Acres                                     | S                         |
| Limits of Jurisdiction based on:  |                     |                      |   |                           |
| 2. Non-Regulated Waters/Wet   | lands:              |                      |   |                           |
| ✓ Potentially jurisdictional was  | iters and/or wet    | lands were assesse   | ed and determined                         | not to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a si   | gnificant nexus wit  | •   |                           |
| SECTION III: CWA ANALYSIS   |                     |                      |   |                           |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs         |                      |   |                           |
| 1. Identified TNW:  |                     |                      |   |                           |
| Rationale for TNW determinate   | tion:               |                      |   |                           |
| 2. Rationale for conclusion tha   | it any wetlands p   | oresent are "adjace  | ent":                                     |                           |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY AN      | ND ITS ADJACENT V    | VETLANDS                                  |                           |
| TNW Watershed Size (sq mi):   | 49650               | Tributaries flo      |   | 4                         |
| Drainage Area (sq mi):  | 0.00082             |                      | om tributary to TN                        |                           |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 8.5<br>0            |                      | om tributary to RP\<br>om tributary to TN |                           |
| Average Alliau Silowiai (III).  | <b>J</b>            |                      | om tributary to RP                        |                           |
| ☐ Project waters cross or serv  | ve as state bound   |                      | •   |                           |

| Unnamed drainages suggests the most lik River.                              |                            | •                                 |             |           | •      | • |            |   |  |
|---|----------------------------|-----------------------------------|-------------|-----------|--------|---|------------|---|--|
| Tributary is: Natural   |                            | Explain:                          |             |           |        |   |            |   |  |
| Average Width (ft):   | 8.62                       |                                   |             |           |        |   |            |   |  |
| Average Depth (ft):   | 1                          |                                   |             |           |        |   |            |   |  |
| Average Side Slopes:  | 2.1                        |                                   |             |           |        |   |            |   |  |
|   |                            | compositio                        | n (check al | l that ap | ply):  |   |            |   |  |
| Primary tributary sub  ☑ Silts ☐ Sands                                      | ostrate                    | compositio<br>Cobbles<br>Other, E | ☐ Bedro     | •         | ply):  |   | Vegetation | 1 |  |
| Primary tributary sub  ✓ Silts ☐ Sands  ☐ Concrete ☐ N                      | ostrate<br>s               | Cobbles Other, E                  | ☐ Bedro     | •         |        |   | Vegetation | 1 |  |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N  Tributary Condition/ | ostrate<br>s               | Cobbles Other, E                  | ☐ Bedro     | ock 🗹     |        |   | Vegetatior | 1 |  |
| Primary tributary sub  ☑ Silts ☐ Sands                                      | ostrate s   Muck Stability | Cobbles Other, E                  | Bedro       | ock 🗹     | Gravel |   | Vegetation | 1 |  |

| (c) Flow:                  |   |                  |          |              |            |                 |   |
|----------------------------|---|------------------|----------|--------------|------------|-----------------|---|
| Tributary Provides for:    | Ephemeral Flow                          | Average          | Flow Ev  | ents per ye  | ar:        | 2-5             |   |
| Describe Flow Regime:      | Ephemeral                               | Other Inf        | ormatic  | n on Durat   | ion and    | Volume:         |   |
| Surface Flow is:           | Confined                                | Characteristics: |          |              |            |                 |   |
| Subsurface Flow:           | No                                      | Explain:         |          |              |            |                 |   |
| Tributary Has:             |   |                  |          |              |            |                 |   |
| ☐ Bed and Banks            |   |                  |          |              |            |                 |   |
| ✓ OHWM: OHWM Inc           | dicators:                               |                  |          |              |            |                 |   |
| ☐ Clear, natural line i    | impressed on the bank                   | \                | /egetati | on matted    | down, b    | ent or absent   |   |
| ✓ Changes in soil cha      | ✓ Changes in soil character             |                  |          | r disturbed  | l or wasl  | ned away        |   |
| ☐ Shelving                 |   | □ F              | resence  | of litter a  | nd debri   | S               |   |
| ☐ Sediment deposition      | on                                      | <b>✓</b> [       | Destruct | ion of terre | estrial ve | getation        |   |
| ✓ Sediment sorting         |   |                  | Abrupt c | hange in pl  | ant com    | munity          |   |
| ☐ Scour                    |   |                  | Multiple | observed o   | or predic  | ted flow events | 1 |
| ☐ Presence of wrack        | line                                    |                  | Vater st | aining       |            |                 |   |
| Other (list):              |   |                  |          |              |            |                 |   |
| ☐ Discontinuous? Ex        | rplain:                                 |                  |          |              |            |                 |   |
| (iii) Chemical Characteris | tics:                                   |                  |          |              |            |                 |   |
| Characterize Tributa       | ry:                                     |                  |          |              |            |                 |   |
|                            | Identify Specific Pollutants, if known: |                  |          |              |            |                 |   |
| , ,                        | ,                                       |                  |          |              |            |                 |   |
|                            |   |                  |          |              |            |                 |   |
|                            |   |                  |          |              |            |                 |   |
|                            |   |                  |          |              |            |                 |   |

| (iv) Biological Characteristics. Channel supports (check all that apply):  Riparian Corridor Characteristics:  Wetland Fringe Characteristics:  Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain: |          |
|--|----------|
| <ul> <li>□ Wetland Fringe Characteristics:</li> <li>Habitat for:</li> <li>□ Federally Listed Species Explain:</li> <li>□ Fish/Spawn Areas Explain:</li> </ul>  |          |
| Habitat for:  ☐ Federally Listed Species Explain:  ☐ Fish/Spawn Areas Explain:   |          |
| ☐ Federally Listed Species Explain: ☐ Fish/Spawn Areas Explain:  |          |
| ☐ Fish/Spawn Areas Explain:  |          |
|  |          |
| Other environmentally consitive crasics. Finalsia:   |          |
| ☐ Other environmentally -sensitive species Explain:  |          |
| ☐ Aquatic/Wildlife diversity Explain:  |          |
| . Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  |          |
| i) Physical Characteristics:   |          |
| Wetland Size (ac): Wetland Type, Explain:  |          |
| Wetland Quality, Explain:  |          |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |          |
| Wetland Flow is: Explain:  |          |
| Surface Flow is: Characteristics:  |          |
| Subsurface Flow: Explain Findings:   |          |
| ☐ Wetland Directly Abutting Non-TNW  |          |
| ☐ Wetland Not Directly Abutting Non-TNW  |          |
| ☐ Discrete wetland hydrologic connection Explain:  |          |
| ☐ Ecologcal connection Explain:  |          |
| ☐ Separated by berm/barrier Explain:   |          |
| Project Wetlands: River Miles from TNW:  |          |
| Project Wetlands: Aerial Miles from TNW:   |          |
| Flow is From:  |          |
| Approximate Location of Wetland within Floodplain:   |          |
| ) Chemical Characteristics:  |          |
| Characterize Wetland System:   |          |
| i) Biological Characteristics. Wetland supports (check all that apply):  |          |
|  |          |
| Riparian Buffer Explain:   |          |
| ☐ Vegetation type/percent cover. Explain:  Habitat for:  |          |
| ☐ Federally Listed Species Explain:  |          |
| ☐ Fish/Spawn Areas Explain:  |          |
| ☐ Other environmentally-sensitive species Explain:   |          |
| ☐ Aquatic/Wildlife Diversity Explain:  |          |
|  |          |
| . Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |          |
| All wetland(s) considered in cumulative analysis:  |          |
| Wetland acres in total being considered in cumulative analysis:  |          |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fun  | ctions): |

| <ol> <li>Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly of into TNW. Explain:         This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential discharges, in combination with the geomorphology of the Analysis Area, the presence of a sig downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suppossibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollucritical habitats were identified within the Analysis Area. Additionally, this unnamed ephemera does not provide lifecycle support functions, nutrients, or organic carbon to species within the drainage does not have more than a speculative or insubstantial effect on the physical, chemic biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not posses nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.     </li> <li>Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW floor indirectly into TNW. Explain:</li> <li>Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the Explain:</li> </ol>   | flood gnificant ggests that the stants or al drainage e TNW. This cal, and/or s a significant                      |
|--|--|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential discharges, in combination with the geomorphology of the Analysis Area, the presence of a sign downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suppossibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollucoritical habitats were identified within the Analysis Area. Additionally, this unnamed ephemera does not provide lifecycle support functions, nutrients, or organic carbon to species within the drainage does not have more than a speculative or insubstantial effect on the physical, chemic biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not posses nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW floor indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the significant nexus findings for wetlands adjacent to an RPW but that | flood<br>gnificant<br>ggests that the<br>stants or<br>al drainage<br>e TNW. This<br>cal, and/or<br>s a significant |
| or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the state of the state | ws directly  |
|  |  |
|  | he RPW.  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Ac Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):   | eres   |
|  |  |
| <ul> <li>3. Non-RPWs that flow directly or indirectly into TNWs.</li> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signf with a TNW, and is therfore jurisdictional.</li> <li>Length (Linear Feet): Width (feet): Acres:</li> </ul>  | icant nexus  |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |  |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |  |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   |  |
| <ul> <li>□ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjace has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> </ul>   | nt wetlands,   |
| 7. Impoundments of jurisdictional waters.  |  |
| Demonstration of Jurisdiction:   |  |
| E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF METALON OF THE USE, DEGRADATION OF DESTRUCTION OF THE USE, DEGRADATION  | CTION OF   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 36  |  |
|---|--|
| As described in Section 3C possess a significant nexus  | 1 above, an analysis of this ephemeral drainage determined that it did not swith the nearest TNW.                                  |
| Explain finding of Other:   |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>  | 2652.82 linear feet (ft), 8.62 width (ft) acres acres  |
| SECTION IV: DATA SOURCES  |  |
| ✓ Data Sheets Prepared/ ☐ Office Concurs with   | lat Submitted by Applicant/Consultant: WestLand Resources, Inc. Submitted on behalf of Applicant delineation ncur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Water</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digital</li> </ul> | r Study<br>Hydrologic Atlas  |
|   | Map(s) Scale and Quad Name:<br>ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                          |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Invo</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul>                                |  |
| ☐ 100-year Floodplain El  | evation is: (National Geodetic Vertical Datum of 1929)   |
| • • • •   | Name and Date): BING, Microsoft Virtual Earth 2008   |
|   | Name and Date): Ground Photos; May 2012  |
| ☐ Applicable/Supporting   | ns File No. and Date of Response Letter:  Case Law Citation:   |
| ☐ Applicable/Supporting   |  |
| Other Information, Ple  | ase Specify:   |

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>     |                      |                                   |             |                       |
|--|-------------------|----------------------|-----------------------------------|-------------|-----------------------|
| A. Report Completion Date for App  | roved Jurisdict   | ional Determinatio   | n: 07/30/20                       | 012         |                       |
| B. District Office and File No: Los  | Angeles Distric   | t, File No. Pending  |                                   |             |                       |
| C. Project Location and Background   | d Information:    | Drainage Feature     | e 37                              |             |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono C  | O'odham Nation, Pi   | ma and Pinal (                    | Counties, A | rizona                |
| Center coordinates of site: Lat.   | 32.5073           | Long111.9            | 100                               |             |                       |
| Name of nearest waterbody: Un  | named Wash 37     | 7                    |                                   |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                 | W: Gila River k   | oetween Powers Bu    | utte and Gilles                   | pie Dam     |                       |
| ✓ Map/Diagram of potential juris   | dictional area is | available on requ    | est                               |             |                       |
| D. Review Performed for Site Evalu   | ation:            |                      |                                   |             |                       |
| Office Determination. Date:  |                   |                      |                                   |             |                       |
| Field Determination. Date: 05/2  | 2012              |                      |                                   |             |                       |
| SECTION II: SUMMARY OF FINDING   | GS                |                      |                                   |             |                       |
| A. RHA Section 10 Determination  |                   |                      |                                   |             |                       |
| There Are No "navigable waters   | s of the U.S." w  | ithin RHA jurisdicti | on in the revie                   | w area.     |                       |
| B. CWA Section 404 Determination   | on of Jurisdictio | n                    |                                   |             |                       |
| There Are No "waters of the  | ne U.S." within ( | CWA jurisdiction in  | the review ar                     | ea.         |                       |
| 1. Waters of the US:   |                   |                      |                                   |             |                       |
| Linear Feet  |                   | Width (ft) and/or    |                                   | Acres       |                       |
| Limits of Jurisdiction based on:   |                   |                      |                                   |             |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>Potentially jurisdictional was</li> </ol> |                   | tlands were assess   | sed and detern                    | nined not t | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne  | it possessed a s  | significant nexus w  | -                                 | •           | •                     |
| SECTION III: CWA ANALYSIS  |                   |                      |                                   |             |                       |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs       |                      |                                   |             |                       |
| 1. Identified TNW:   |                   |                      |                                   |             |                       |
| Rationale for TNW determinat   | ion:              |                      |                                   |             |                       |
| 2. Rationale for conclusion tha  | it any wetlands   | present are "adjac   | cent":                            |             |                       |
| B. CHARACTERISTICS OF NON-TN   | N TRIBUTARY A     | ND ITS ADJACENT      | WETLANDS                          |             |                       |
| TNW Watershed Size (sq mi):  | 49650             | Tributaries fl       |                                   |             | 4                     |
| Drainage Area (sq mi):   | 0.00173<br>8.5    |                      | rom tributary t                   |             | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                          | 0                 |                      | rom tributary t<br>from tributary |             | 30 (or more)          |
| , were get initial showing (III).  |                   |                      | from tributary                    |             | 20 (0. 111012)        |
| ☐ Project waters cross or serv   | e as state bour   | ndaries. Explain:    | ,                                 |             |                       |

| eature ID: 37          |  |
|------------------------|--|
| Identify flow route to | TNW:   |
|                        | vithin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography ely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural  | Explain:   |
| Average Width (ft):    | 20.84  |
| Average Depth (ft):    | 1  |
| Average Side Slopes:   | 2:1  |
| ✓ Silts ☐ Sands        | strate composition (check all that apply):   Cobbles  Bedrock  Gravel  Vegetation  |
| ☐ Concrete ☐ M         | 1uck Other, Explain:   |
| Tributary Condition/S  | tability. Explain: Stable  |
| Presence of Run/Riffle | e/Pool Complexes. Explain: Not Present   |
| Tributary Geometry:    | Relatively Straight  |
| Tributary Gradient (a) | oproximate average slope): 2%  |
|                        |  |

| (c) Flow:                  |                      |            |           |             |            |                  |  |
|----------------------------|----------------------|------------|-----------|-------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow       | Average    | Flow Eve  | ents per ye | ear:       | 2-5              |  |
| Describe Flow Regime:      | Ephemeral            | Other Inf  | ormatio   | n on Dura   | tion and   | Volume:          |  |
| Surface Flow is:           | Confined             | Characte   | ristics:  |             |            |                  |  |
| Subsurface Flow:           | No                   | Explain:   |           |             |            |                  |  |
| Tributary Has:             |                      |            |           |             |            |                  |  |
| ☐ Bed and Banks            |                      |            |           |             |            |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:            |            |           |             |            |                  |  |
| ☐ Clear, natural line i    | mpressed on the bank | · □ \      | /egetatio | on matted   | down, b    | ent or absent    |  |
| ✓ Changes in soil cha      | racter               |            | eaf litte | r disturbe  | d or was   | hed away         |  |
| ☐ Shelving                 |                      | □ P        | resence   | of litter a | nd debri   | S                |  |
| ☐ Sediment deposition      | on                   | ✓ [        | Destructi | ion of terr | estrial ve | egetation        |  |
| ✓ Sediment sorting         |                      |            | Abrupt cl | hange in p  | lant con   | nmunity          |  |
| ☐ Scour                    |                      |            | Multiple  | observed    | or predi   | cted flow events |  |
| ☐ Presence of wrack        | line                 | □ <b>\</b> | Vater sta | aining      |            |                  |  |
| Other (list):              |                      |            |           |             |            |                  |  |
| ☐ Discontinuous? Ex        | xplain:              |            |           |             |            |                  |  |
| (iii) Chemical Characteris | tics:                |            |           |             |            |                  |  |
| Characterize Tributa       | ry:                  |            |           |             |            |                  |  |
| Identify Specific Poll     | •                    |            |           |             |            |                  |  |
| , ,                        | •                    |            |           |             |            |                  |  |
|                            |                      |            |           |             |            |                  |  |
|                            |                      |            |           |             |            |                  |  |
|                            |                      |            |           |             |            |                  |  |

| Feature ID: 37   |         |
|--|---------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                      |         |
| Riparian Corridor Characteristics:   |         |
| ☐ Wetland Fringe Characteristics:  |         |
| Habitat for:   |         |
| ☐ Federally Listed Species Explain:  |         |
| ☐ Fish/Spawn Areas Explain:  |         |
| ☐ Other environmentally -sensitive species   |         |
| ☐ Aquatic/Wildlife diversity Explain:  |         |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                   |         |
| (i) Physical Characteristics:  |         |
| Wetland Size (ac): Wetland Type, Explain:  |         |
| Wetland Quality, Explain:  |         |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |         |
| Wetland Flow is: Explain:  |         |
| Surface Flow is: Characteristics:  |         |
| Subsurface Flow: Explain Findings:   |         |
| ☐ Wetland Directly Abutting Non-TNW  |         |
| ☐ Wetland Not Directly Abutting Non-TNW  |         |
| ☐ Discrete wetland hydrologic connection Explain:  |         |
| ☐ Ecologcal connection Explain:  |         |
| ☐ Separated by berm/barrier Explain:   |         |
| Project Wetlands: River Miles from TNW:  |         |
| Project Wetlands: Aerial Miles from TNW:   |         |
| Flow is From:  |         |
| Approximate Location of Wetland within Floodplain:   |         |
| (ii) Chemical Characteristics:   |         |
| Characterize Wetland System:   |         |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                     |         |
| ☐ Riparian Buffer Explain:   |         |
| ☐ Vegetation type/percent cover. Explain:  |         |
| Habitat for:   |         |
| ☐ Federally Listed Species Explain:  |         |
| ☐ Fish/Spawn Areas Explain:  |         |
| ☐ Other environmentally-sensitive species Explain:   |         |
| ☐ Aquatic/Wildlife Diversity Explain:  |         |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                  |         |
| All wetland(s) considered in cumulative analysis:  |         |
| Wetland acres in total being considered in cumulative analysis:  |         |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical func | tions): |
|  |         |
|  |         |
|  |         |

| C. SIGNIFICANT NEXUS DETERMINATION  |   |
|---|---|
| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flow into TNW. Explain:   | s directly or indirectly  |
| This unnamed ephemeral drainage is located more than 100 river miles from the new between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and discharges, in combination with the geomorphology of the Analysis Area, the prese downstream manmade impoundment (Tat Momolikot Dam), and the distance to the possibility of a hydrologic connection between this drainage and the TNW is tenuous critical habitats were identified within the Analysis Area. Additionally, this unnamed does not provide lifecycle support functions, nutrients, or organic carbon to species drainage does not have more than a speculative or insubstantial effect on the physibiological integrity of the TNW. Therefore, this unnamed ephemeral drainage does nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Da | d potential flood nce of a significant to TNW, suggests that the is. No pollutants or dephemeral drainage swithin the TNW. This cal, chemical, and/or not possess a significant |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the no or indirectly into TNW. Explain:  | on-RPW flows directly   |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not dire Explain:   | ctly abut the RPW.  |
| DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLAN  1. TNWs and Adjacent Wetlands  ☐ TNWs: Linear Feet Width (ft), Or,  ☐ Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  | Acres   |
| 3. Non-RPWs that flow directly or indirectly into TNWs.   |   |
| □ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  | has a signficant nexus  |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):   |   |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |   |
| <ul> <li>6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.</li> <li>Wetland adjacent to non-RPWs which, in combination with the tributary and or has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> </ul>  | ther adjacent wetlands,   |
| 7. Impoundments of jurisdictional waters.   |   |
| Demonstration of Jurisdiction:  |   |
| . ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION COULD AFFECT INTERSTATE COMMERCE   | R DESTRUCTION OF  |
| Supporting rationale:   |   |
| Supporting rationale:   |   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 37  |
|---|
| As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW.  |
| Explain finding of Other:   |
| ✓ Non-wetland waters  ☐ Other waters  ☐ Wetlands  2309.23 linear feet (ft), 20.84 width (ft) acres acres  |
| SECTION IV: DATA SOURCES  |
| <ul> <li>✓ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.</li> <li>✓ Data Sheets Prepared/Submitted on behalf of Applicant</li> <li>☐ Office Concurs with delineation</li> <li>☐ Office Does Not Concur with delineation</li> </ul> |
| <ul> <li>□ Data Sheets Prepared by the Corps</li> <li>□ Corps Navigable Water Study</li> <li>□ US Geological Survey Hydrologic Atlas</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit HUC Map</li> </ul>   |
| ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  |
| □ USDA Nat'l Res Conservation Service Soil Survey Citation: □ National Wetlands Inventory Maps Cite Map Name: □ State/Local Wetland Inventory Maps □ FEMA/FIR Maps  |
| ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)  |
| Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008  |
| ✓ Other Photographs (Name and Date): Ground Photos; May 2012  |
| <ul><li>□ Previous Determinations File No. and Date of Response Letter:</li><li>□ Applicable/Supporting Case Law Citation:</li></ul>  |
| ☐ Applicable/Supporting Scientific Literature Citation:   |
| Other Information, Please Specify:  |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>    |                     |                                       |             |                      |
|---|------------------|---------------------|---------------------------------------|-------------|----------------------|
| A. Report Completion Date for App   | roved Jurisdict  | cional Determina    | tion: 07/30/2                         | 012         |                      |
| B. District Office and File No: Los   | Angeles Distric  | t, File No. Pendir  | ng                                    |             |                      |
| C. Project Location and Background  | d Information:   | Drainage Feat       | ure 38                                |             |                      |
| City, County, State Sif Oidak Dis   | strict, Tohono ( | O'odham Nation,     | Pima and Pinal                        | Counties, A | rizona               |
| Center coordinates of site: Lat.  | 32.5073          | Long111             | 1.9100                                |             |                      |
| Name of nearest waterbody: Un   | named Wash 3     | 8                   |                                       |             |                      |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                  | W: Gila River l  | between Powers      | Butte and Gilles                      | spie Dam    |                      |
| ✓ Map/Diagram of potential juris  | dictional area i | s available on red  | quest                                 |             |                      |
| D. Review Performed for Site Evalu  | ation:           |                     |                                       |             |                      |
| Office Determination. Date:   |                  |                     |                                       |             |                      |
| Field Determination. Date: 05/2   | 2012             |                     |                                       |             |                      |
| SECTION II: SUMMARY OF FINDIN   | GS               |                     |                                       |             |                      |
| A. RHA Section 10 Determination   |                  |                     |                                       |             |                      |
| There Are No "navigable waters  |                  | rithin RHA jurisdio | ction in the revi                     | ew area.    |                      |
| B. CWA Section 404 Determination  | n of Jurisdictio | on                  |                                       |             |                      |
| There Are No "waters of the   | ne U.S." within  | CWA jurisdiction    | in the review a                       | rea.        |                      |
| 1. Waters of the US:  |                  |                     |                                       |             |                      |
| Linear Feet   |                  | Width (ft) and/o    | or                                    | Acres       |                      |
| Limits of Jurisdiction based on:  |                  |                     |                                       |             |                      |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                  | otlands word asso   | accod and datar                       | minad nat t | a ha jurisdistional: |
| , ,   |                  |                     |                                       |             | •                    |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne   | it possessed a   | significant nexus   | with a downstr                        | -           | •                    |
| SECTION III: CWA ANALYSIS   |                  |                     |                                       |             |                      |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs      |                     |                                       |             |                      |
| 1. Identified TNW:  |                  |                     |                                       |             |                      |
| Rationale for TNW determinat  | ion:             |                     |                                       |             |                      |
| 2. Rationale for conclusion tha   | t any wetlands   | s present are "ad   | jacent":                              |             |                      |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY A    | AND ITS ADJACEN     | IT WETLANDS                           |             |                      |
| TNW Watershed Size (sq mi):   | 49650            |                     | flow to TNW:                          |             | 4                    |
| Drainage Area (sq mi):  | 0.00116          |                     | s from tributary                      |             | 30 (or more)         |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                           | 8.5<br>0         |                     | s from tributary<br>es from tributary |             | 30 (or more)         |
| Average Allilual Silowiali (III).   | U                |                     | es from tributary                     |             | 50 (of filote)       |
| ☐ Project waters cross or serv  | ve as state bou  |                     |                                       |             |                      |

| <u> </u>  | llysis Area are ultimately tributary to the Santa Rosa Wash. Topography otential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila in: |
|---|---|
| suggests the most likely route of por<br>River.  Tributary is: Natural Explain<br>Average Width (ft): 7.66  Average Depth (ft): 1  Average Side Slopes: 2:1 | otential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila   |
| Average Width (ft): 7.66  Average Depth (ft): 1  Average Side Slopes: 2:1   | in:   |
| Average Depth (ft): 1 Average Side Slopes: 2:1  |   |
| Average Side Slopes: 2:1  |   |
| · ·   |   |
| Primary tributary substrate compos  |   |
| ✓ Silts ☐ Sands ☐ Cobble ☐ Concrete ☐ Muck Othe   | er, Explain:  |
| Tributary Condition/Stability. Explain  | in: Stable  |
| Presence of Run/Riffle/Pool Comple  | exes. Explain: Not Present  |
| Tributary Geometry: Relatively S  | Straight  |
| Tributary Gradient (approximate ave   | verage slope): 2%   |

| Tributary Provides for: Ephemeral Flow Average Flow Events per year: 2-5  Describe Flow Regime: Ephemeral Other Information on Duration and Volume: Confined Characteristics: Subsurface Flow: No Explain: |
|--|
| Surface Flow is: Confined Characteristics: Subsurface Flow: Explain:   |
| Subsurface Flow: No Explain:   |
|  |
|  |
| Tributary Has:   |
| ☐ Bed and Banks  |
| ✓ OHWM: OHWM Indicators:   |
| $\square$ Clear, natural line impressed on the bank $\square$ Vegetation matted down, bent or absent   |
| ✓ Changes in soil character ☐ Leaf litter disturbed or washed away   |
| ☐ Shelving ☐ Presence of litter and debris   |
| ☐ Sediment deposition  |
| ✓ Sediment sorting   ☐ Abrupt change in plant community  |
| $\square$ Scour $\square$ Multiple observed or predicted flow events   |
| ☐ Presence of wrack line ☐ Water staining  |
| Other (list):  |
| ☐ Discontinuous? Explain:  |
| (iii) Chemical Characteristics:  |
| Characterize Tributary:  |
| Identify Specific Pollutants, if known:  |
|  |
|  |
|  |
|  |

| Feature ID: 38  |                   |
|---|-------------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                             |                   |
| Riparian Corridor Characteristics:  |                   |
| ☐ Wetland Fringe Characteristics:   |                   |
| Habitat for:  |                   |
| ☐ Federally Listed Species Explain:   |                   |
| ☐ Fish/Spawn Areas Explain:   |                   |
| ☐ Other environmentally -sensitive species Explain:   |                   |
| ☐ Aquatic/Wildlife diversity Explain:   |                   |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW          |                   |
| (i) Physical Characteristics:   |                   |
| Wetland Size (ac): Wetland Type, Explain:   |                   |
| Wetland Quality, Explain:   |                   |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |                   |
| Wetland Flow is: Explain:   |                   |
| Surface Flow is: Characteristics:   |                   |
| Subsurface Flow: Explain Findings:  |                   |
| ☐ Wetland Directly Abutting Non-TNW   |                   |
| ☐ Wetland Not Directly Abutting Non-TNW   |                   |
| ☐ Discrete wetland hydrologic connection Explain:   |                   |
| ☐ Ecologcal connection Explain:   |                   |
| ☐ Separated by berm/barrier Explain:  |                   |
| Project Wetlands: River Miles from TNW:   |                   |
| Project Wetlands: Aerial Miles from TNW:  |                   |
| Flow is From:   |                   |
| Approximate Location of Wetland within Floodplain:  |                   |
| (ii) Chemical Characteristics:  |                   |
| Characterize Wetland System:  |                   |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                            |                   |
| ☐ Riparian Buffer Explain:  |                   |
| ☐ Vegetation type/percent cover. Explain:   |                   |
| Habitat for:  |                   |
| ☐ Federally Listed Species Explain:   |                   |
| ☐ Fish/Spawn Areas Explain:   |                   |
| ☐ Other environmentally-sensitive species Explain:  |                   |
| ☐ Aquatic/Wildlife Diversity Explain:   |                   |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                         |                   |
| All wetland(s) considered in cumulative analysis:   |                   |
| Wetland acres in total being considered in cumulative analysis:                                       |                   |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or phys | sical functions): |
|   |                   |
|   |                   |
|   |                   |

| SIGN  | IFICANT NEXUS DETERMINATION   |  |  |  |
|---|---|--|--|--|
| _   | nificant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly TNW. Explain:  |  |  |  |
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Obetween Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drain does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a signexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. |   |  |  |  |
| •   | gnificant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly directly into TNW. Explain:  |  |  |  |
| 3. Sig  | gnificant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.   |  |  |  |
|   | TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres   |  |  |  |
|   | rved for Section III D 2 (RPWs):  |  |  |  |
| Rese  | •   |  |  |  |
| Rese  | rved for Section III D 2 (RPWs):  on-RPWs that flow directly or indirectly into TNWs.  Ion-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  |  |  |  |
| Rese  3. No  No  No  L  | rved for Section III D 2 (RPWs):  on-RPWs that flow directly or indirectly into TNWs.  Ion-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  ength (Linear Feet):  Width (feet):  Acres:   |  |  |  |
| Rese  | rved for Section III D 2 (RPWs):  on-RPWs that flow directly or indirectly into TNWs.  on-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  ength (Linear Feet): Width (feet): Acres:  |  |  |  |
| Rese 3. No w L Rese Rese  | rved for Section III D 2 (RPWs):  on-RPWs that flow directly or indirectly into TNWs.  on-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus vith a TNW, and is therfore jurisdictional.  ength (Linear Feet): Width (feet): Acres:  erved for Section III D 4 (Wetlands directly abutting RPWs):  erved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |  |  |  |
| Rese 3. No w L Rese Rese 6. W   | on-RPWs that flow directly or indirectly into TNWs.  Ion-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Iength (Linear Feet): Width (feet): Acres:  Ierved for Section III D 4 (Wetlands directly abutting RPWs):  Ierved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  Ierved for Section III D 5 (Wetlands adjacent to but not directly into TNWs.  Ierved for Section III D 5 (Wetlands adjacent to but not directly into TNWs.  Ierved for Section III D 5 (Wetlands adjacent to but not directly into TNWs.  Ierved for Section III D 5 (Wetlands adjacent to but not directly into TNWs.  Ierved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs): |  |  |  |
| Rese  3. No  No  Rese  6. W   | rved for Section III D 2 (RPWs):  on-RPWs that flow directly or indirectly into TNWs.  Ion-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  ength (Linear Feet): Width (feet): Acres:  erved for Section III D 4 (Wetlands directly abutting RPWs):  erved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  Vetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands,  |  |  |  |
| Rese 3. No w L Rese Rese 6. W 1. F. Ir  | rved for Section III D 2 (RPWs):  on-RPWs that flow directly or indirectly into TNWs.  Ion-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  ength (Linear Feet): Width (feet): Acres:  erved for Section III D 4 (Wetlands directly abutting RPWs):  erved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  Vetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  |  |  |  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 38   |   |
|--|---|
| As described in Section 30 possess a significant nexu  | C1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW.   |
| Explain finding of Other:  |   |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 4216.31 linear feet (ft), 7.66 width (ft) acres acres   |
| SECTION IV: DATA SOURCES   |   |
| ✓ Data Sheets Prepared,  ☐ Office Concurs with   | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  /Submitted on behalf of Applicant in delineation  sincur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas   |
|  | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                      |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul>                            |   |
| ☐ 100-year Floodplain El   | evation is: (National Geodetic Vertical Datum of 1929)  |
|  | Name and Date): BING, Microsoft Virtual Earth 2008  |
|  | Name and Date): Ground Photos; May 2012   |
|  | ons File No. and Date of Response Letter:   |
| ☐ Applicable/Supporting  |   |
| <ul><li>Applicable/Supporting</li><li>Other Information, Ple</li></ul>   |   |

| SECTION I: BACKGROUND INFORMATION   |   |
|---|---|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |   |
| B. District Office and File No: Los Angeles District, File No. Pending  |   |
| C. Project Location and Background Information: Drainage Feature 39   |   |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Countie   | es, Arizona   |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |   |
| Name of nearest waterbody: Unnamed Wash 39  |   |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dar<br>HUC Code: 15050306   | n   |
| ✓ Map/Diagram of potential jurisdictional area is available on request  |   |
| D. Review Performed for Site Evaluation:  |   |
| Office Determination. Date:   |   |
| Field Determination. Date: 05/2012  |   |
| Tield Determination. Date. 05/2012  |   |
| SECTION II: SUMMARY OF FINDINGS   |   |
| A. RHA Section 10 Determination of Jurisdiction   |   |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area  | <b>.</b>  |
| B. CWA Section 404 Determination of Jurisdiction  |   |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.   |   |
| 1. Waters of the US:  | age Feature 39 I Nation, Pima and Pinal Counties, Arizona Ing111.9100 I Powers Butte and Gillespie Dam Ile on request  A jurisdiction in the review area.  It) and/or Acres  Acres  Vere assessed and determined not to be jurisdictional:  NW or RPW. Therefore, this drainage could only be not nexus with a downstream TNW. This drainage does am TNW.  Acres  Applacent TNW.  Applacent TNW:  Applacent Wetlands  Butter and Pinal Counties, Arizona and Pi |
|   |   |
| Limits of Jurisdiction based on:  |   |
| <ol> <li>Non-Regulated Waters/Wetlands:</li> <li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined r</li> </ol>  | not to be jurisdictional:   |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this dra considered jurisdictional if it possessed a significant nexus with a downstream TN not possess a significant nexus with the downstream TNW. | •   |
| SECTION III: CWA ANALYSIS   |   |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |   |
| 1. Identified TNW:  |   |
| Rationale for TNW determination:  |   |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |   |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS   |   |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4   |
| Drainage Area (sq mi): 0.00133 River Miles from tributary to TNV  |   |
| · · · · · · · · · · · · · · · · · · ·   |   |
| · · · · · · · · · · · · · · · · · · ·   |   |
| ☐ Project waters cross or serve as state boundaries. Explain:   |   |

| _                                     | ithin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topograply route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|---------------------------------------|---|
| Tributary is: Natural                 | Explain:  |
| Average Width (ft):                   | 9.97  |
| Average Depth (ft):                   | 1   |
| Average Side Slopes:                  | 2:1   |
|                                       |   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ N        | ☐ Cobbles ☐ Bedrock ✔ Gravel ☐ Vegetation  uck Other, Explain:  |
| ☐ Concrete ☐ N                        | uck Other, Explain:   |
| ☐ Concrete ☐ M                        | uck Other, Explain:   |
| ☐ Concrete ☐ M  Tributary Condition/S | ability. Explain: Stable  |

| (c) Flow:                       |  |                  |           |             |            |                |    |
|---------------------------------|--|------------------|-----------|-------------|------------|----------------|----|
| Tributary Provides for:         | Ephemeral Flow                             | Average          | Flow Ev   | ents per ye | ear:       | 2-5            |    |
| Describe Flow Regime:           | Ephemeral                                  | Other Inf        | ormatic   | n on Dura   | tion and   | Volume:        |    |
| Surface Flow is:                | Confined                                   | Characte         | ristics:  |             |            |                |    |
| Subsurface Flow:                | No   | Explain:         |           |             |            |                |    |
| Tributary Has:                  |  |                  |           |             |            |                |    |
| ☐ Bed and Banks                 |  |                  |           |             |            |                |    |
| ✓ OHWM: OHWM Inc                | dicators:                                  |                  |           |             |            |                |    |
| $\square$ Clear, natural line i | mpressed on the bank                       | $\square$ $\lor$ | /egetati  | on matted   | down, b    | ent or absent  |    |
| Changes in soil cha             | racter                                     | □ L              | eaf litte | r disturbe  | d or was   | ned away       |    |
| ☐ Shelving                      |  | □ P              | resence   | of litter a | nd debri   | S              |    |
| Sediment deposition             | on   | <b>~</b> [       | estruct)  | ion of terr | estrial ve | egetation      |    |
| Sediment sorting                | $\square$ Abrupt change in plant community |                  |           |             |            |                |    |
| ☐ Scour                         |  |                  | ∕Iultiple | observed    | or predic  | cted flow even | ts |
| ☐ Presence of wrack             | line                                       | □ V              | Vater st  | aining      |            |                |    |
| Other (list):                   |  |                  |           |             |            |                |    |
| ☐ Discontinuous? Ex             | rplain:                                    |                  |           |             |            |                |    |
| (iii) Chemical Characteris      | tics:                                      |                  |           |             |            |                |    |
| Characterize Tributai           | ry:  |                  |           |             |            |                |    |
| Identify Specific Poll          | •  |                  |           |             |            |                |    |
| , ,                             | ,  |                  |           |             |            |                |    |
|                                 |  |                  |           |             |            |                |    |
|                                 |  |                  |           |             |            |                |    |
|                                 |  |                  |           |             |            |                |    |

| Feature ID: 39   |  |
|--|--|
| iv) Biological Characterist  | ics. Channel supports (check all that apply):                              |
| ☐ Riparian Corridor C  | Characteristics:   |
| ☐ Wetland Fringe Cha   | aracteristics:   |
| Habitat for:   |  |
| ☐ Federally Listed Spe   | ecies Explain:   |
| ☐ Fish/Spawn Areas   | Explain:   |
| ☐ Other environment  | ally -sensitive species Explain:   |
| $\square$ Aquatic/Wildlife div   | versity Explain:   |
| 2 Characteristics of watla   | ands adjacent to you TNNA/ that flavor directly, or indirectly, into TNNA/ |
| <ul><li>i) Physical Characteristics:</li></ul>   | nds adjacent to non-TNW that flow directly or indirectly into TNW<br>:     |
| Wetland Size (ac):   | Wetland Type, Explain:   |
| Wetland Quality, Expla   | ain:   |
| Project Wetlands Cros  | s or Serve as State Boundaries, Explain:                                   |
| Wetland Flow is:   | Explain:   |
| Surface Flow is:   | Characteristics:   |
| Subsurface Flow:   | Explain Findings:  |
| ☐ Wetland Directly Ab  | outting Non-TNW  |
| ☐ Wetland Not Direct   |  |
|  | hydrologic connection Explain:   |
| ☐ Ecologcal connec   | ction Explain:   |
| $\square$ Separated by ber   | m/barrier Explain:   |
| Project Wetlands: Rive   | er Miles from TNW:   |
| Project Wetlands: Aeri   | ial Miles from TNW:  |
| Flow is From:  |  |
| Approximate Location   | of Wetland within Floodplain:  |
| (ii) Chemical Characteristic   | CS:  |
| Characterize Wetland   | System:  |
|  |  |
| -  | ics. Wetland supports (check all that apply):                              |
| Riparian Buffer Ex   |  |
|  | ercent cover. Explain:   |
| Habitat for:   | Species Evaluin  |
| ☐ Federally Listed S   |  |
| ☐ Fish/Spawn Area  | ·  |
|  | ·  |
|  | LUVELSUV EXHIGHT   |
| ☐ Other environme  | Diversity Explain.   |
| ☐ Aquatic/Wildlife   | etlands adjacent to the non-TNW tributary (if any)                         |
| ☐ Aquatic/Wildlife  3. Characteristics of all we   | •  |
| <ul><li>Aquatic/Wildlife</li><li>Characteristics of all we All wetland(s) consider</li></ul> | etlands adjacent to the non-TNW tributary (if any)                         |

| into TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila R between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significan exus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs:    Linear Feet   | Ξ.   | SIGNIFICANT NEXUS DETERMINATION   |  |  |  |  |
|---|--|---|--|--|--|--|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significan nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Won-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres: Reserved for Section III D 4 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters. |  | 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNW. Explain:                     |  |  |  |  |
| or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres: Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.   | This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gil between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainad does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant discount of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant discount of the triangle does not possess a significant discount of the triangle does not possess a significant discount of the triangle does not possess a significant discount of the triangle does not possess a significant discount of the triangle does not possess a significant discount of the triangle does not possess a significant discount of the triangle does not possess a significant discount of the triangle does not possess a significant discount of the triangle does not possess a significant discount of the triangle does not possess a significant discount of the triangle does not possess a significant discount of the triangle does not possess a significant discount of the triangle does not possess and the triangle does not possess a significant discount of the triangle does not possess a significant discount of the triangle does not possess a significant discount of the triangle does not possess a significant discount of the triangle does not possess a significant discount of the triangle does not possess a significant discount of the triangle does not possess a significant discount of the triangle does not possess a significant discount discount dis |   |  |  |  |  |
| Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs:  Wetlands adjacent to TNWs:  Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  |  | 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:          |  |  |  |  |
| D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.   |  | ·   |  |  |  |  |
| <ul> <li>3. Non-RPWs that flow directly or indirectly into TNWs.</li> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.</li> </ul>   |  | ☐ TNWs: Linear Feet Width (ft), Or, Acres  ☐ Wetlands adjacent to TNWs: Acres   |  |  |  |  |
| <ul> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.</li></ul>  |  |   |  |  |  |  |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.   |  | ☐ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional. |  |  |  |  |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  |  | -   |  |  |  |  |
| <ul> <li>Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> <li>Impoundments of jurisdictional waters.</li> </ul>  |  |   |  |  |  |  |
| has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  |  | 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |  |  |  |  |
| 7. Impoundments of jurisdictional waters.   |  |   |  |  |  |  |
| Demonstration of Jurisdiction:  |  | •   |  |  |  |  |
|   |  | Demonstration of Jurisdiction:  |  |  |  |  |
| E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  |  |   |  |  |  |  |
|   |  | Supporting rationale:   |  |  |  |  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 39   |  |
|--|--|
| As described in Section 3C possess a significant nexus   | 1 above, an analysis of this ephemeral drainage determined that it did not with the nearest TNW.                                     |
| Explain finding of Other:  |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 3722.38 linear feet (ft), 9.97 width (ft) acres acres  |
| SECTION IV: DATA SOURCES   |  |
| <ul><li>✓ Data Sheets Prepared/</li><li>☐ Office Concurs with</li></ul>  | lat Submitted by Applicant/Consultant: WestLand Resources, Inc.  Submitted on behalf of Applicant delineation  neur with delineation |
| <ul> <li>□ Data Sheets Prepared I</li> <li>□ Corps Navigable Water</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digi</li> </ul> | Study<br>lydrologic Atlas  |
| ,  | Map(s) Scale and Quad Name: ins SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                |
| ☐ USDA Nat'l Res Conser☐ ☐ National Wetlands Inve ☐ State/Local Wetland In ☐ FEMA/FIR Maps   |  |
| ☐ 100-year Floodplain Ele  | evation is: (National Geodetic Vertical Datum of 1929)   |
| • • • •  | Name and Date): BING, Microsoft Virtual Earth 2008   |
|  | Name and Date): Ground Photos; May 2012  ns File No. and Date of Response Letter:  |
| ☐ Applicable/Supporting  |  |
| ☐ Applicable/Supporting  |  |
| Other Information, Ple   | ase Specify:   |

| SECTION I: BACKGROUND INFORMATION  |                             |
|--|-----------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                             |
| B. District Office and File No: Los Angeles District, File No. Pending   |                             |
| C. Project Location and Background Information: Drainage Feature 3A  |                             |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Coun   | ties, Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                             |
| Name of nearest waterbody: Unnamed Wash 3A   |                             |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie D  | am                          |
| HUC Code: 15050306   |                             |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                             |
| D. Review Performed for Site Evaluation:   |                             |
| Office Determination. Date:  |                             |
| Field Determination. Date: 05/2012   |                             |
|  |                             |
| SECTION II: SUMMARY OF FINDINGS  |                             |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review are   | 02                          |
|  | ca.                         |
| B. CWA Section 404 Determination of Jurisdiction  There Are No  "waters of the U.S." within CWA jurisdiction in the review area.   |                             |
| ·  |                             |
| 1. Waters of the US:   |                             |
| Linear Feet Width (ft) and/or Acre   | 25                          |
| Limits of Jurisdiction based on:   |                             |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined</li></ul>   | d not to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this d considered jurisdictional if it possessed a significant nexus with a downstream T not possess a significant nexus with the downstream TNW. |                             |
| SECTION III: CWA ANALYSIS  |                             |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                             |
| 1. Identified TNW:   |                             |
| Rationale for TNW determination:   |                             |
| 2. Deticate la ferra construir a the transcription de agreement and the contille   |                             |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                             |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                             |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                           |
| Drainage Area (sq mi): 0.00011 River Miles from tributary to TN  |                             |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RP Average Annual Snowfall (in): 0 Aerial Miles from tributary to TI   |                             |
| Average Annual Showfall (iii): O Aerial Miles from tributary to 11   |                             |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                             |

Feature ID: 3A

| eature ID: 3A                  |  |
|--------------------------------|--|
| Identify flow route to         | NW:  |
|                                | thin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural          | Explain:   |
| Average Width (ft):            | 7.62   |
| Average Depth (ft):            |  |
| Average Side Slopes:           | :1   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M | ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  ck Other, Explain:  |
| Tributary Condition/S          | bility. Explain: Stable Pool Complexes. Explain: Not Present   |
| Tributary Geometry:            | Relatively Straight  |
| •                              | roximate average slope): 2%  |
| ,                              |  |

| (c) Flow:                  |  |           |               |               |                     |  |  |
|----------------------------|--|-----------|---------------|---------------|---------------------|--|--|
| Tributary Provides for:    | Average Flow Events per year: 2-5  |           |               |               |                     |  |  |
| Describe Flow Regime:      | Ephemeral  | Other Inf | ormation o    | n Duration a  | nd Volume:          |  |  |
| Surface Flow is:           | Confined   | Characte  | ristics:      |               |                     |  |  |
| Subsurface Flow:           | No   | Explain:  |               |               |                     |  |  |
| Tributary Has:             |  |           |               |               |                     |  |  |
| ✓ Bed and Banks            |  |           |               |               |                     |  |  |
| ✓ OHWM: OHWM Inc           | dicators:  |           |               |               |                     |  |  |
|                            | impressed on the bank  | □ v       | egetation r   | natted dow    | n, bent or absent   |  |  |
| ✓ Changes in soil cha      | nracter  | □ L       | eaf litter di | sturbed or v  | vashed away         |  |  |
| ☐ Shelving                 |  | □ P       | resence of    | litter and de | ebris               |  |  |
| ☐ Sediment deposition      | <ul><li>Destruction of terrestrial vegetation</li><li>Abrupt change in plant community</li></ul> |           |               |               |                     |  |  |
| Sediment sorting           |  |           |               |               |                     |  |  |
| ☐ Scour                    |  |           | /lultiple obs | erved or pr   | edicted flow events |  |  |
| ☐ Presence of wrack        | line   | □ V       | Vater staini  | ng            |                     |  |  |
| Other (list):              |  |           |               |               |                     |  |  |
| ☐ Discontinuous? Ex        | kplain:  |           |               |               |                     |  |  |
| (iii) Chemical Characteris | tics:  |           |               |               |                     |  |  |
| Characterize Tributa       |  |           |               |               |                     |  |  |
|                            |  |           |               |               |                     |  |  |
| Identify Specific Poll     | utants, ii known:  |           |               |               |                     |  |  |
|                            |  |           |               |               |                     |  |  |
|                            |  |           |               |               |                     |  |  |
|                            |  |           |               |               |                     |  |  |
|                            |  |           |               |               |                     |  |  |

| Feature ID: 3A                       |  |
|--------------------------------------|--|
| v) Biological Characteristics. Ch    | annel supports (check all that apply):   |
| Riparian Corridor Charact            | teristics:   |
| ☐ Wetland Fringe Characte            | ristics:   |
| Habitat for:                         |  |
| ☐ Federally Listed Species           | Explain:   |
| $\square$ Fish/Spawn Areas           | Explain:   |
| $\square$ Other environmentally -se  | ensitive species Explain:  |
| $\square$ Aquatic/Wildlife diversity | Explain:   |
| Characteristics of wetlands ac       | djacent to non-TNW that flow directly or indirectly into TNW                               |
| ) Physical Characteristics:          | Jacobs to non-1111 that how uncomy of managery med 1111                                    |
| Wetland Size (ac):                   | Wetland Type, Explain:   |
| Wetland Quality, Explain:            | 71 7 1   |
|                                      | erve as State Boundaries, Explain:   |
| Wetland Flow is:                     | Explain:   |
| Surface Flow is:                     | Characteristics:   |
| Subsurface Flow:                     | Explain Findings:  |
| ☐ Wetland Directly Abutting          | y Non-TNW  |
| ☐ Wetland Not Directly Abu           |  |
| ☐ Discrete wetland hydro             |  |
| ☐ Ecological connection              | ·  |
| ☐ Separated by berm/bar              | ·  |
| Project Wetlands: River Mile         |  |
| Project Wetlands: Aerial Mile        |  |
| Flow is From:                        |  |
| Approximate Location of We           | etland within Floodplain:  |
| i) Chemical Characteristics:         |  |
| Characterize Wetland Systen          | n·   |
|                                      |  |
| ii) Biological Characteristics. W    | etland supports (check all that apply):  |
| ☐ Riparian Buffer Explain:           |  |
| $\square$ Vegetation type/percent    | cover. Explain:  |
| Habitat for:                         |  |
| Federally Listed Species             | ·  |
| ☐ Fish/Spawn Areas Exp               |  |
| Other environmentally-               | ·  |
| ☐ Aquatic/Wildlife Divers            | ity Explain:   |
| . Characteristics of all wetlands    | s adjacent to the non-TNW tributary (if any)   |
| All wetland(s) considered in         | cumulative analysis:   |
|                                      | considered in cumulative analysis:   |
|                                      | ctly abuts tributary?; size in acres; overall biological, chemical or physical functions): |
|                                      | -,   |
| ·                                    |  |

| 5    | GNIFICANT NEXUS DETERMINATION  |
|------|--|
|      | . Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly ito TNW. Explain:  |
|      | his unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River etween Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood ischarges, in combination with the geomorphology of the Analysis Area, the presence of a significant ownstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the ossibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or ritical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage oes not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This rainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or iological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant exus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. |
|      | . Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly r indirectly into TNW. Explain:   |
|      | . Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. xplain:  |
| ). C | ETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| 1    | . TNWs and Adjacent Wetlands   |
|      | TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  eserved for Section III D 2 (RPWs):   |
| 3    | . Non-RPWs that flow directly or indirectly into TNWs.   |
| [    | Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):   |
|      | Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |
|      | <ul> <li>Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.</li> <li>Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> </ul>  |
|      | 7. Impoundments of jurisdictional waters.  |
|      | Demonstration of Jurisdiction:   |
|      | 2 cmonstration of various com  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 3A   |  |
|--|--|
| As described in Section 30 possess a significant nexus                           | C1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW.    |
| Explain finding of Other:  |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul> | 179.62 linear feet (ft), 17.62 width (ft) acres acres  |
| SECTION IV: DATA SOURCES   |  |
| ✓ Data Sheets Prepared/  ☐ Office Concurs with                                   | by the Corps   |
| ☐ US Geological Survey F☐ USGS NHD Data  | ·  |
| $\square$ USGS 8 and 12 dig  | it HUC Map   |
| -  | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles |
| ☐ USDA Nat'l Res Conser  | rvation Service Soil Survey Citation:  |
| □ National Wetlands Inv □ State/Local Wetland In                                 |  |
| <ul><li>☐ FEMA/FIR Maps</li><li>☐ 100-year Floodplain El</li></ul>               | levation is: (National Geodetic Vertical Datum of 1929)  |
|  | Name and Date): BING, Microsoft Virtual Earth 2008   |
| ✓ Other Photographs (  | Name and Date): Ground Photos; May 2012  |
| Previous Determination   | ons File No. and Date of Response Letter:  |
| Applicable/Supporting  |  |
| ☐ Applicable/Supporting  |  |
| Other Information, Ple   | ease Specify:  |

| SECTION I: BACKGROUND INFORMATION   |                          |
|---|--------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |                          |
| B. District Office and File No: Los Angeles District, File No. Pending  |                          |
| C. Project Location and Background Information: Drainage Feature 4  |                          |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties  | s, Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |                          |
| Name of nearest waterbody: Unnamed Wash 4   |                          |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam   | 1                        |
| HUC Code: 15050306  |                          |
| ✓ Map/Diagram of potential jurisdictional area is available on request  |                          |
| D. Review Performed for Site Evaluation:  |                          |
| Office Determination. Date:   |                          |
| Field Determination. Date: 05/2012  |                          |
|   |                          |
| SECTION II: SUMMARY OF FINDINGS   |                          |
| A. RHA Section 10 Determination of Jurisdiction   |                          |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.   |                          |
| B. CWA Section 404 Determination of Jurisdiction  |                          |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.   |                          |
| 1. Waters of the US:  |                          |
| Linear Feet Width (ft) and/or Acres   |                          |
| Limits of Jurisdiction based on:  |                          |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined no</li></ul>   | ot to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drai considered jurisdictional if it possessed a significant nexus with a downstream TNV not possess a significant nexus with the downstream TNW. | •                        |
| SECTION III: CWA ANALYSIS   |                          |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |                          |
| 1. Identified TNW:  |                          |
| Rationale for TNW determination:  |                          |
|   |                          |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |                          |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS   |                          |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4                        |
| Drainage Area (sq mi): 0.00484 River Miles from tributary to TNW  |                          |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW   |                          |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW Aerial Miles from tributary to RPW   |                          |
| ☐ Project waters cross or serve as state boundaries. Explain:   |                          |

| Identify flow route to   | TNW:                      |                      |                                    |               |            |      |          |  |
|--|---------------------------|----------------------|------------------------------------|---------------|------------|------|----------|--|
| Unnamed drainages v<br>suggests the most lik<br>River.                       |                           | •                    |                                    | •             |            | •    |          |  |
| Tributary is: Natural  |                           | Explain:             |                                    |               |            |      |          |  |
| Average Width (ft):  | 20.45                     |                      |                                    |               |            |      |          |  |
| Average Depth (ft):  | 1                         |                      |                                    |               |            |      |          |  |
|  |                           |                      |                                    |               |            |      |          |  |
|  |                           | ompositio            | on (check al                       | l that apply) | ):         |      |          |  |
| Average Side Slopes:  Primary tributary sub  Sands                           | ostrate o                 | ompositic<br>Cobbles | on (check al                       |               | :<br>ravel | □ Ve | getation |  |
| Primary tributary sub  Silts Sands   | ostrate o                 | •                    | ☐ Bedro                            |               |            | □ Ve | getation |  |
| Primary tributary sub  ✓ Silts ☐ Sands  ☐ Concrete ☐ N                       | ostrate d                 | Cobbles<br>Other, I  | ☐ Bedro                            |               |            | □Ve  | getation |  |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N  Tributary Condition/S | ostrate o  Muck Stability | Cobbles Other, I     | ☐ Bedro                            |               | ravel      | □ Ve | getation |  |
| Primary tributary sub  Silts Sands   | ostrate of Stability      | Cobbles Other, I     | Bedro Explain:  Stable s. Explain: | ock ☑ G       | ravel      | □ Ve | getation |  |

| (c) Flow:                  |                      |            |            |             |            |                  |  |
|----------------------------|----------------------|------------|------------|-------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow       | Average    | Flow Eve   | ents per ye | ear:       | 2-5              |  |
| Describe Flow Regime:      | Ephemeral            | Other Inf  | ormatic    | n on Dura   | tion and   | Volume:          |  |
| Surface Flow is:           | Confined             | Characte   | ristics:   |             |            |                  |  |
| Subsurface Flow:           | No                   | Explain:   |            |             |            |                  |  |
| Tributary Has:             |                      |            |            |             |            |                  |  |
| ✓ Bed and Banks            |                      |            |            |             |            |                  |  |
| ✓ OHWM: OHWM Inc           | licators:            |            |            |             |            |                  |  |
| ☐ Clear, natural line i    | mpressed on the bank | α          | /egetati   | on matted   | down, b    | ent or absent    |  |
| Changes in soil cha        | racter               |            | eaf litte. | r disturbed | d or was   | hed away         |  |
| ☐ Shelving                 |                      | □ F        | resence    | of litter a | nd debri   | S                |  |
| ☐ Sediment deposition      | on                   | <b>~</b> [ | Destruct   | ion of terr | estrial ve | egetation        |  |
| ✓ Sediment sorting         |                      |            | Abrupt c   | hange in p  | lant com   | nmunity          |  |
| ☐ Scour                    |                      |            | ∕Iultiple  | observed    | or predic  | cted flow events |  |
| ☐ Presence of wrack        | line                 | □ <b>\</b> | Vater st   | aining      |            |                  |  |
| Other (list):              |                      |            |            |             |            |                  |  |
| ☐ Discontinuous? Ex        | xplain:              |            |            |             |            |                  |  |
| (iii) Chemical Characteris | tics:                |            |            |             |            |                  |  |
| Characterize Tributar      | ry:                  |            |            |             |            |                  |  |
| Identify Specific Pollu    | utants, if known:    |            |            |             |            |                  |  |
|                            |                      |            |            |             |            |                  |  |
|                            |                      |            |            |             |            |                  |  |
|                            |                      |            |            |             |            |                  |  |
|                            |                      |            |            |             |            |                  |  |

| Feature ID: 4  |           |
|--|-----------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                    |           |
| Riparian Corridor Characteristics:   |           |
| ☐ Wetland Fringe Characteristics:  |           |
| Habitat for:   |           |
| ☐ Federally Listed Species Explain:  |           |
| ☐ Fish/Spawn Areas Explain:  |           |
| ☐ Other environmentally -sensitive species Explain:  |           |
| ☐ Aquatic/Wildlife diversity Explain:  |           |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                 |           |
| (i) Physical Characteristics:  |           |
| Wetland Size (ac): Wetland Type, Explain:  |           |
| Wetland Quality, Explain:  |           |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |           |
| Wetland Flow is: Explain:  |           |
| Surface Flow is: Characteristics:  |           |
| Subsurface Flow: Explain Findings:   |           |
| ☐ Wetland Directly Abutting Non-TNW  |           |
| ☐ Wetland Not Directly Abutting Non-TNW  |           |
| ☐ Discrete wetland hydrologic connection Explain:  |           |
| ☐ Ecologcal connection Explain:  |           |
| ☐ Separated by berm/barrier Explain:   |           |
| Project Wetlands: River Miles from TNW:  |           |
| Project Wetlands: Aerial Miles from TNW:   |           |
| Flow is From:  |           |
| Approximate Location of Wetland within Floodplain:   |           |
| (ii) Chemical Characteristics:   |           |
| Characterize Wetland System:   |           |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                   |           |
|  |           |
| <ul><li>☐ Riparian Buffer Explain:</li><li>☐ Vegetation type/percent cover. Explain:</li></ul>               |           |
| Habitat for:   |           |
| Federally Listed Species Explain:  |           |
| ☐ Fish/Spawn Areas Explain:  |           |
| ☐ Other environmentally-sensitive species Explain:   |           |
| ☐ Aquatic/Wildlife Diversity Explain:  |           |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                |           |
|  |           |
| All wetland(s) considered in cumulative analysis:  |           |
| Wetland acres in total being considered in cumulative analysis:  |           |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fu | nctions): |
|  |           |
|  |           |

| C. SIGNIFICANT NEXUS DETERMINATION   |   |
|--|---|
| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows dire into TNW. Explain:  | ectly or indirectly   |
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and pot discharges, in combination with the geomorphology of the Analysis Area, the presence downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TN possibility of a hydrologic connection between this drainage and the TNW is tenuous. No critical habitats were identified within the Analysis Area. Additionally, this unnamed eph does not provide lifecycle support functions, nutrients, or organic carbon to species with drainage does not have more than a speculative or insubstantial effect on the physical, to biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. | ential flood of a significant IW, suggests that the o pollutants or nemeral drainage nin the TNW. This chemical, and/or |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RI or indirectly into TNW. Explain:   | PW flows directly   |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly Explain:  | abut the RPW.   |
| D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS  | ARE   |
| 1. TNWs and Adjacent Wetlands  |   |
| ☐ TNWs: Linear Feet Width (ft), Or,  | Acres   |
| Wetlands adjacent to TNWs: Acres   |   |
| Reserved for Section III D 2 (RPWs):   |   |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  |   |
| ☐ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a with a TNW, and is therfore jurisdictional.   | a signficant nexus  |
| Length (Linear Feet): Width (feet): Acres:   |   |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |   |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |   |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   |   |
| $\hfill \Box$ Wetland adjacent to non-RPWs which, in combination with the tributary and other has a significant nexus with the TNW.  | adjacent wetlands,  |
| Estimated size of jurisdictional wetland (in acres):   |   |
| 7. Impoundments of jurisdictional waters.  |   |
| Demonstration of Jurisdiction:   |   |
| . ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DEVILOR COULD AFFECT INTERSTATE COMMERCE   | STRUCTION OF  |
| Supporting rationale: Length (linear feet): Acres:   |   |
| F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:  |   |
| Non-Jurisdictional Waters:   |   |
| Waters do not meet the "Significant Nexus" standard, where such a finding is required  | for invitadiation   |

| Feature ID: 4   |   |
|---|---|
| As described in Section 30 possess a significant nexus  | C1 above, an analysis of this ephemeral drainage determined that it did not us with the nearest TNW.    |
| Explain finding of Other:   |   |
| <ul><li>Non-wetland waters</li><li>Other waters</li><li>Wetlands</li></ul>  | 6599.80 linear feet (ft), 20.45 width (ft) acres acres  |
| SECTION IV: DATA SOURCES  |   |
| <ul><li>✓ Maps, Plans, Plots or P</li><li>✓ Data Sheets Prepared/</li><li>☐ Office Concurs with</li></ul>                               | by the Corps<br>er Study  |
| USGS 8 and 12 dig   | it HUC Map  |
|   | Map(s) Scale and Quad Name: rains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul> |   |
| ☐ 100-year Floodplain El  | levation is: (National Geodetic Vertical Datum of 1929)   |
| ·   | Name and Date): BING, Microsoft Virtual Earth 2008  |
| Other Photographs (   | Name and Date): Ground Photos; May 2012   |
| <ul><li>□ Previous Determinatio</li><li>□ Applicable/Supporting</li><li>□ Applicable/Supporting</li></ul>                               |   |
| Other Information, Ple  | ease Specify:   |

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>    |                            |                                      |                       |
|--|------------------|----------------------------|--------------------------------------|-----------------------|
| A. Report Completion Date for App  | roved Jurisdict  | tional Determination:      | 07/30/2012                           |                       |
| B. District Office and File No: Los  | Angeles Distric  | t, File No. Pending        |                                      |                       |
| C. Project Location and Background   | d Information:   | Drainage Feature 40        | )                                    |                       |
| City, County, State Sif Oidak Dis  | trict, Tohono (  | O'odham Nation, Pima       | and Pinal Counties,                  | Arizona               |
| Center coordinates of site: Lat. 3   | 32.5073          | Long111.9100               |                                      |                       |
| Name of nearest waterbody: Unr   | named Wash 4     | 0                          |                                      |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | V: Gila River    | between Powers Butte       | and Gillespie Dam                    |                       |
| ✓ Map/Diagram of potential juriso  | dictional area i | s available on request     |                                      |                       |
| D. Review Performed for Site Evalu   | ation:           |                            |                                      |                       |
| Office Determination. Date:  |                  |                            |                                      |                       |
| Field Determination. Date: 05/2  | 2012             |                            |                                      |                       |
| SECTION II: SUMMARY OF FINDING   | GS               |                            |                                      |                       |
| A. RHA Section 10 Determination  |                  |                            |                                      |                       |
| There Are No "navigable waters   | of the U.S." w   | rithin RHA jurisdiction in | n the review area.                   |                       |
| B. CWA Section 404 Determinatio  | n of Jurisdictio | on                         |                                      |                       |
| There Are No "waters of the  | e U.S." within   | CWA jurisdiction in the    | review area.                         |                       |
| 1. Waters of the US:   |                  |                            |                                      |                       |
| Linear Feet  |                  | Width (ft) and/or          | Acres                                |                       |
| Limits of Jurisdiction based on:   |                  |                            |                                      |                       |
| <ol> <li>Non-Regulated Waters/Wetl</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                  | etlands were assessed a    | and determined not                   | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne    | it possessed a   | significant nexus with a   |                                      |                       |
| SECTION III: CWA ANALYSIS  |                  |                            |                                      |                       |
| A. TNWs AND WETLANDS ADJACE  | NT TO TNWs       |                            |                                      |                       |
| 1. Identified TNW:   |                  |                            |                                      |                       |
| Rationale for TNW determinat   | ion:             |                            |                                      |                       |
| 2. Rationale for conclusion tha  | t any wetlands   | s present are "adjacent    | ·:                                   |                       |
| B. CHARACTERISTICS OF NON-TNV  | N TRIBUTARY A    | AND ITS ADJACENT WE        | ΓLANDS                               |                       |
| TNW Watershed Size (sq mi):  | 49650            | Tributaries flow           |                                      | 4                     |
| Drainage Area (sq mi):   | 0.00029<br>8.5   |                            | tributary to TNW:                    | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                            | 0                |                            | tributary to RPW:  tributary to TNW: | 30 (or more)          |
|  | -                |                            | tributary to RPW:                    | 22 (21                |
| ☐ Project waters cross or serv   | e as state bou   | ndaries. Explain:          |                                      |                       |

| Unnamed drainages suggests the most lik River.                              | within t                             | •                                  |                                    | •            | •           | Rosa Wash. Topography<br>ruz Wash to the Gila |
|---|--------------------------------------|------------------------------------|------------------------------------|--------------|-------------|---|
| Tributary is: Natural   |                                      | Explain:                           |                                    |              |             |   |
| Average Width (ft):   | 13.81                                |                                    |                                    |              |             |   |
| Average Depth (ft):   | 1                                    |                                    |                                    |              |             |   |
| Average Side Slopes:  | 2.1                                  |                                    |                                    |              |             |   |
|   |                                      | compositio                         | on (check all                      | that apply): |             |   |
| Primary tributary sub  ✓ Silts □ Sands                                      | ostrate                              | composition<br>Cobbles<br>Other, I | Bedro                              |              | □ Vegetatio | on .  |
| Primary tributary sub  ✓ Silts □ Sands                                      | ostrate<br>s   Muck                  | Cobbles<br>Other, I                | Bedro                              |              | □ Vegetatio | on  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                       | ostrate  Substitute  Muck  Stability | Other, I                           | ☐ Bedro                            |              | □ Vegetatio | on  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Tributary Condition/ | ostrate  Muck  Stability  le/Pool    | Other, I                           | Bedro Explain:  Stable s. Explain: | ock 🗹 Gravel | □ Vegetatio | n   |

| (c) Flow:                  |                      |            |            |              |            |                  |  |
|----------------------------|----------------------|------------|------------|--------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow       | Average    | Flow Eve   | ents per ye  | ear:       | 2-5              |  |
| Describe Flow Regime:      | Ephemeral            | Other Inf  | ormatio    | n on Dura    | tion and   | Volume:          |  |
| Surface Flow is:           | Confined             | Characte   | ristics:   |              |            |                  |  |
| Subsurface Flow:           | No                   | Explain:   |            |              |            |                  |  |
| Tributary Has:             |                      |            |            |              |            |                  |  |
| ☐ Bed and Banks            |                      |            |            |              |            |                  |  |
| ✓ OHWM: OHWM Inc           | licators:            |            |            |              |            |                  |  |
| ☐ Clear, natural line i    | mpressed on the bank | :          | /egetatio  | on matted    | down, b    | ent or absent    |  |
| Changes in soil cha        | racter               |            | eaf litte. | r disturbed  | d or was   | hed away         |  |
| ☐ Shelving                 |                      | □ F        | resence    | of litter a  | nd debri   | S                |  |
| Sediment deposition        | on                   | <b>✓</b> [ | Destruct   | ion of terre | estrial ve | egetation        |  |
| ✓ Sediment sorting         |                      |            | Abrupt c   | hange in p   | lant com   | nmunity          |  |
| ☐ Scour                    |                      |            | Multiple   | observed     | or predic  | cted flow events |  |
| ☐ Presence of wrack        | line                 | □ <b>\</b> | Vater st   | aining       |            |                  |  |
| Other (list):              |                      |            |            |              |            |                  |  |
| ☐ Discontinuous? Ex        | plain:               |            |            |              |            |                  |  |
| (iii) Chemical Characteris | tics:                |            |            |              |            |                  |  |
| Characterize Tributar      | ry:                  |            |            |              |            |                  |  |
| Identify Specific Pollu    | utants, if known:    |            |            |              |            |                  |  |
|                            |                      |            |            |              |            |                  |  |
|                            |                      |            |            |              |            |                  |  |
|                            |                      |            |            |              |            |                  |  |
|                            |                      |            |            |              |            |                  |  |

| Feature ID: 40  |                 |
|---|-----------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                 |                 |
| Riparian Corridor Characteristics:  |                 |
| ☐ Wetland Fringe Characteristics:   |                 |
| Habitat for:  |                 |
| ☐ Federally Listed Species Explain:   |                 |
| ☐ Fish/Spawn Areas Explain:   |                 |
| ☐ Other environmentally -sensitive species Explain:   |                 |
| ☐ Aquatic/Wildlife diversity Explain:   |                 |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW              |                 |
| (i) Physical Characteristics:   |                 |
| Wetland Size (ac): Wetland Type, Explain:   |                 |
| Wetland Quality, Explain:   |                 |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |                 |
| Wetland Flow is: Explain:   |                 |
| Surface Flow is: Characteristics:   |                 |
| Subsurface Flow: Explain Findings:  |                 |
| ☐ Wetland Directly Abutting Non-TNW   |                 |
| ☐ Wetland Not Directly Abutting Non-TNW   |                 |
| ☐ Discrete wetland hydrologic connection Explain:   |                 |
| ☐ Ecologcal connection Explain:   |                 |
| ☐ Separated by berm/barrier Explain:  |                 |
| Project Wetlands: River Miles from TNW:   |                 |
| Project Wetlands: Aerial Miles from TNW:  |                 |
| Flow is From:   |                 |
| Approximate Location of Wetland within Floodplain:  |                 |
| (ii) Chemical Characteristics:  |                 |
| Characterize Wetland System:  |                 |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                |                 |
|   |                 |
| ☐ Riparian Buffer Explain: ☐ Vegetation type/percent cover. Explain:                                      |                 |
| Habitat for:  |                 |
| Federally Listed Species Explain:   |                 |
| ☐ Fish/Spawn Areas Explain:   |                 |
| ☐ Other environmentally-sensitive species Explain:  |                 |
| ☐ Aquatic/Wildlife Diversity Explain:   |                 |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                             |                 |
|   |                 |
| All wetland(s) considered in cumulative analysis:   |                 |
| Wetland acres in total being considered in cumulative analysis:   | al formation of |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical | al functions):  |
|   |                 |
|   |                 |

| SIGNIFICANT   | NEXUS DETF  | RMINATION                                 |   |  |  |   |   |   |
|---|---|---|---|--|--|---|---|---|
| 1. Significant  | nexus findin  | gs for non-RPW tl                         | hat has no a  | djacent we   | tlands a   | and flow  | s direct  | tly or indirectly   |
| into TNW. Ex  | plain:  |   |   |  |  |   |   |   |
| between Pow<br>discharges, in<br>downstream r<br>possibility of a<br>critical habita<br>does not prov<br>drainage does<br>biological inte | ers Butte an combination manmade im hydrologic its were identide lifecycle anot have mersely of the | d Gillespie Dam. An with the geomor       | n analysis or<br>phology of<br>Momolikot I<br>en this drai<br>nalysis Area<br>, nutrients,<br>ative or insu<br>his unname | of peak year<br>the Analysis<br>Dam), and the<br>nage and the<br>nage and the<br>Additional<br>or organic of<br>bstantial effold<br>d ephemera | y discha<br>Area, the distale TNW<br>ly, this larbon the fect on the fec | arges and the presence to the istenuor unnamed to specie the physage does | d poter<br>ence of<br>he TNW<br>us. No p<br>d epher<br>s withir<br>sical, che<br>not po | a significant<br>I, suggests that the<br>pollutants or<br>meral drainage<br>of the TNW. This<br>demical, and/or |
| 2. Significant or indirectly i  |   | gs for non-RPW a                          | nd its adjac  | ent wetlan   | ds, whe  | re the n  | on-RPV  | / flows directly  |
| •   |   | gs for wetlands a                         | diacent to a  | ın RPW but   | that do  | not dire  | ectly ah  | ut the RPW.   |
| Explain:  |   | .85 101 110111111111111111111111111111111 |   |  |  |   | out, as   |   |
|   |   |   |   |  |  | •   |   |   |
|   |   | RISDICTIONAL FIN                          | DINGS. THE  | SUBJECT W  | 'ATERS   | /WETLA  | NDS AR  | E   |
| 1. TNWs and   | Adjacent We   | etlands                                   |   |  |  |   |   |   |
| ☐ TNWs:   |   | Linear Feet                               |   | Width (ft)   | , Or,  |   |   | Acres   |
| Wetlands  | adjacent to   | TNWs:                                     | Acres   |  |  |   |   |   |
| Reserved for S  | Section III D   | 2 (RPWs):                                 |   |  |  |   |   |   |
| 3. Non-RPWs   | that flow di  | rectly or indirectl                       | y into TNW  | s.   |  |   |   |   |
|   |   | aterbody that flow                        | •   | or indirectly  | into a T   | 「NW and   | l has a s   | ignficant nexus   |
|   | near Feet):   |   | dth (feet):   |  | Acre   | es:   |   |   |
| Reserved for  | Section III D   | 4 (Wetlands direc                         | ctly abutting   | g RPWs):   |  |   |   |   |
| Reserved for  | Section III D   | 5 (Wetlands adja                          | cent to but   | not directly   | abuttin  | g RPWs)   | :   |   |
| 6. Wetlands   | adjacent to   | non-RPWs that flo                         | ow directly   | or indirectly  | into Ti  | NWs.  |   |   |
| $\square$ Wetland   | adjacent to r   | non-RPWs which, i<br>s with the TNW.      | •   |  |  |   | ther ad   | jacent wetlands,  |
| Estimated   | size of juris   | dictional wetland                         | (in acres):   |  |  |   |   |   |
| 7. Impoundn   | nents of juri   | sdictional waters.                        |   |  |  |   |   |   |
| Demonst   | ration of Juri  | sdiction:                                 |   |  |  |   |   |   |
| ISOI ATED W/  | TERS INCLL  | JDING ISOLATED V                          | WETI ANDS   | THE LISE D   | FGRAD  | ΑΤΙΩΝ (   | OR DEST   | TRUCTION OF   |
|   |   | RSTATE COMMER                             |   | THE USE, D   | EGRAD  | ATION   | JN DES  | INOCTION OF   |
|   |   |   |   |  |  |   |   |   |
| Supporting ra   | ationale:   |   |   |  |  |   |   |   |
| Length (linea   | r feet):  | Acres                                     | :   |  |  |   |   |   |
| . NON-JURISDI   | CTIONAL W   | ATERS, INCLUDING                          | G WETLAND   | S:   |  |   |   |   |
| Non-Jurisdic  |   |   |   |  |  |   |   |   |
| Waters do no  |   | "Significant Nexus                        | " standard,   | where such   | a findir   | ng is requ  | uired fo  | r jurisdiction.   |
| Explain findi   |   |   |   |  |  |   |   |   |

| Feature ID: 40   |   |                                 |             |                  |                    |  |
|--|---|---------------------------------|-------------|------------------|--------------------|--|
| As described in Section 3C possess a significant nexus   |   |                                 | eral draina | age determined   | that it did not    |  |
| Explain finding of Other:  |   |                                 |             |                  |                    |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | a   | near feet (ft),<br>cres<br>cres | 13.81       | width (ft)       |                    |  |
| SECTION IV: DATA SOURCES   |   |                                 |             |                  |                    |  |
| ✓ Maps, Plans, Plots or P ✓ Data Sheets Prepared/ ☐ Office Concurs with ☐ Office Does Not Co   | 'Submitted on behandelineation<br>Submitted on behandelineation | alf of Applicant                | ıltant: W   | VestLand Resou   | rces, Inc.         |  |
| <ul><li>□ Data Sheets Prepared</li><li>□ Corps Navigable Wate</li><li>□ US Geological Survey F</li><li>□ USGS NHD Data</li></ul>         | r Study<br>Hydrologic Atlas                                     |                                 |             |                  |                    |  |
| ☐ USGS 8 and 12 dig  | t HUC Map   |                                 |             |                  |                    |  |
| ✓ US Geological Survey N<br>Silver Reef Mounta   |   |                                 | osa Mour    | ntains NW 7.5-N  | Inute Quadrangles  |  |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland Inv</li> <li>□ FEMA/FIR Maps</li> </ul> | entory Maps Ci  | Survey Citation<br>te Map Name: | n:          |                  |                    |  |
| ☐ 100-year Floodplain El   | evation is:   |                                 | (Nationa    | l Geodetic Verti | cal Datum of 1929) |  |
| _ '  | Name and Date):   | BING, Microsoft                 | •           |                  | <u> </u>           |  |
| ✓ Other Photographs (  |   |                                 |             |                  |                    |  |
| ☐ Previous Determinatio  | ns File No. and D   | Date of Response                | Letter:     |                  |                    |  |
| Applicable/Supporting  | Case Law Citatio  | on:                             |             |                  |                    |  |
| $\square$ Applicable/Supporting  |   | re Citation:                    |             |                  |                    |  |
| Other Information, Ple   | ase Specify:  |                                 |             |                  |                    |  |

| A. Report Completion Date for App   | roved Jurisdictional Determination:   | 07/30/2012   |
|---|---|--|
| B. District Office and File No: Los   | Angeles District, File No. Pending  |  |
| C. Project Location and Background  | d Information: Drainage Feature 40  | Α  |
| City, County, State Sif Oidak Dis   | trict, Tohono O'odham Nation, Pima  | and Pinal Counties, Arizona                        |
| Center coordinates of site: Lat.  | 32.5073 Long111.9100  |  |
| Name of nearest waterbody: Uni  | named Wash 40A  |  |
| Name of nearest downstream TNV<br>HUC Code: 15050306  | V: Gila River between Powers Butte  | and Gillespie Dam                                  |
| ✓ Map/Diagram of potential jurise   | dictional area is available on request  |  |
| D. Review Performed for Site Evalu  | ation:  |  |
| Office Determination. Date:   |   |  |
| Field Determination. Date: 05/2   | 2012  |  |
| SECTION II: SUMMARY OF FINDING  | <b>3</b> 5  |  |
| A. RHA Section 10 Determination   |   |  |
|   | s of the U.S." within RHA jurisdiction in   | n the review area.                                 |
| B. CWA Section 404 Determination  | •   |  |
|   | ie U.S." within CWA jurisdiction in the   | review area.                                       |
| 1. Waters of the US:  | ,   |  |
| Linear Feet   | Width (ft) and/or   | Acres  |
| Limits of Jurisdiction based on:  |   |  |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol>   | ands:<br>ters and/or wetlands were assessed a   | and determined not to be jurisdictio               |
| considered jurisdictional if  | does not qualify as a TNW or RPW. The possessed a significant nexus with a exus with the downstream TNW.  |  |
| SECTION III: CWA ANALYSIS   |   |  |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs  |  |
|   |   |  |
| 1. Identified TNW:  |   |  |
|   | ion:  |  |
| Identified TNW:  Rationale for TNW determinat   | ion:<br>t any wetlands present are "adjacent'   | ':   |
| <ol> <li>Identified TNW:</li> <li>Rationale for TNW determinat</li> <li>Rationale for conclusion that</li> </ol>  | t any wetlands present are "adjacent"  V TRIBUTARY AND ITS ADJACENT WET   | LANDS  |
| <ol> <li>Identified TNW:         <ul> <li>Rationale for TNW determinate</li> </ul> </li> <li>Rationale for conclusion that</li> <li>CHARACTERISTICS OF NON-TNV TNW Watershed Size (sq mi):</li> </ol> | t any wetlands present are "adjacent"  W TRIBUTARY AND ITS ADJACENT WET  49650 Tributaries flow   | TLANDS<br>to TNW: 4                                |
| 1. Identified TNW:  Rationale for TNW determinat  2. Rationale for conclusion tha  B. CHARACTERISTICS OF NON-TNV  TNW Watershed Size (sq mi):  Drainage Area (sq mi):                                 | t any wetlands present are "adjacent"  W TRIBUTARY AND ITS ADJACENT WET  49650 Tributaries flow to the company of the company | TLANDS to TNW: 4 tributary to TNW: 30 (or more)    |
| 1. Identified TNW:  Rationale for TNW determinat  2. Rationale for conclusion tha  B. CHARACTERISTICS OF NON-TNV TNW Watershed Size (sq mi): Drainage Area (sq mi): Average Annual Rainfall (in):     | t any wetlands present are "adjacent"  N TRIBUTARY AND ITS ADJACENT WET  49650 Tributaries flow to the company of the company | TLANDS to TNW: tributary to TNW: tributary to RPW: |
| 1. Identified TNW:  Rationale for TNW determinat 2. Rationale for conclusion tha B. CHARACTERISTICS OF NON-TNV TNW Watershed Size (sq mi): Drainage Area (sq mi):                                     | t any wetlands present are "adjacent"  W TRIBUTARY AND ITS ADJACENT WET  49650  0.00015  River Miles from  River Miles from  Aerial Miles from  | TLANDS to TNW: 4 tributary to TNW: 30 (or more)    |

Feature ID: 40A

| eature ID: 40A                        |                     |            |   |
|---------------------------------------|---------------------|------------|---|
| Identify flow route to                | TNW:                |            |   |
|                                       |                     | -          | s Area are ultimately tributary to the Santa Rosa Wash. Topography ntial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural                 |                     | Explain:   |   |
| Average Width (ft):                   | 7.97                |            |   |
| Average Depth (ft):                   | 1                   |            |   |
| Average Side Slopes:                  | 2:1                 |            |   |
| ✓ Silts ☐ Sands                       |                     | Cobbles    | ☐ Bedrock ✓ Gravel ☐ Vegetation   |
|                                       | ⁄luck               | Other, E   | Explain:  |
|                                       |                     |            | Stable  |
| ☐ Concrete ☐ N                        | Stability           | . Explain: | Stable  |
| ☐ Concrete ☐ N  Tributary Condition/S | Stability<br>e/Pool | . Explain: | Stable s. Explain: Not Present  |

| (c) Flow:                       |                      |  |                  |                                 |            |               |  |  |
|---------------------------------|----------------------|--|------------------|---------------------------------|------------|---------------|--|--|
| Tributary Provides for:         | Ephemeral Flow       | meral Flow Average Flow Events per year: |                  |                                 |            |               |  |  |
| Describe Flow Regime:           | Ephemeral            | Other Inf                                |                  |                                 |            |               |  |  |
| Surface Flow is:                | Confined             | Characte                                 | Characteristics: |                                 |            |               |  |  |
| Subsurface Flow:                | No                   | Explain:                                 |                  |                                 |            |               |  |  |
| Tributary Has:                  |                      |  |                  |                                 |            |               |  |  |
| ☐ Bed and Banks                 |                      |  |                  |                                 |            |               |  |  |
| ✓ OHWM: OHWM Inc                | dicators:            |  |                  |                                 |            |               |  |  |
| $\square$ Clear, natural line i | mpressed on the bank | :  | /egetati         | on matted                       | down, b    | ent or absent |  |  |
| Changes in soil cha             | racter               |  | eaf litte.       | r disturbed                     | or was     | hed away      |  |  |
| ☐ Shelving                      | _                    |  |                  |                                 | nd debri   | S             |  |  |
| Sediment deposition             | on                   | <b>~</b> [                               | estruct          | ion of terre                    | estrial ve | egetation     |  |  |
| Sediment sorting                |                      |  | Abrupt c         | brupt change in plant community |            |               |  |  |
| ☐ Scour                         |                      |  | ∕Iultiple        |                                 |            |               |  |  |
| ☐ Presence of wrack             | line                 | □ <b>\</b>                               | Vater st         | aining                          |            |               |  |  |
| Other (list):                   |                      |  |                  |                                 |            |               |  |  |
| ☐ Discontinuous? Ex             | rplain:              |  |                  |                                 |            |               |  |  |
| (iii) Chemical Characteris      | tics:                |  |                  |                                 |            |               |  |  |
| Characterize Tributar           | ry:                  |  |                  |                                 |            |               |  |  |
| Identify Specific Pollu         | utants, if known:    |  |                  |                                 |            |               |  |  |
|                                 |                      |  |                  |                                 |            |               |  |  |
|                                 |                      |  |                  |                                 |            |               |  |  |
|                                 |                      |  |                  |                                 |            |               |  |  |
|                                 |                      |  |                  |                                 |            |               |  |  |

| Feature ID: 40A   |                |
|---|----------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                 |                |
| Riparian Corridor Characteristics:  |                |
| ☐ Wetland Fringe Characteristics:   |                |
| Habitat for:  |                |
| ☐ Federally Listed Species Explain:   |                |
| ☐ Fish/Spawn Areas Explain:   |                |
| ☐ Other environmentally -sensitive species Explain:   |                |
| ☐ Aquatic/Wildlife diversity Explain:   |                |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW              |                |
| (i) Physical Characteristics:   |                |
| Wetland Size (ac): Wetland Type, Explain:   |                |
| Wetland Quality, Explain:   |                |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |                |
| Wetland Flow is: Explain:   |                |
| Surface Flow is: Characteristics:   |                |
| Subsurface Flow: Explain Findings:  |                |
| ☐ Wetland Directly Abutting Non-TNW   |                |
| ☐ Wetland Not Directly Abutting Non-TNW   |                |
| ☐ Discrete wetland hydrologic connection Explain:   |                |
| ☐ Ecologcal connection Explain:   |                |
| ☐ Separated by berm/barrier Explain:  |                |
| Project Wetlands: River Miles from TNW:   |                |
| Project Wetlands: Aerial Miles from TNW:  |                |
| Flow is From:   |                |
| Approximate Location of Wetland within Floodplain:  |                |
| (ii) Chemical Characteristics:  |                |
| Characterize Wetland System:  |                |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                |                |
|   |                |
| ☐ Riparian Buffer Explain: ☐ Vegetation type/percent cover. Explain:                                      |                |
| Habitat for:  |                |
| Federally Listed Species Explain:   |                |
| ☐ Fish/Spawn Areas Explain:   |                |
| ☐ Other environmentally-sensitive species Explain:  |                |
| ☐ Aquatic/Wildlife Diversity Explain:   |                |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                             |                |
|   |                |
| All wetland(s) considered in cumulative analysis:   |                |
| Wetland acres in total being considered in cumulative analysis:   | I formation of |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical | i tunctions):  |
|   |                |
|   |                |

| C. SIGNIFICANT NEXUS DETERMINATION   | DN   |
|--|--|
| 1. Significant nexus findings for non into TNW. Explain:   | -RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gillespie discharges, in combination with the downstream manmade impoundme possibility of a hydrologic connection critical habitats were identified with does not provide lifecycle support fudrainage does not have more than a biological integrity of the TNW. There | I located more than 100 river miles from the nearest TNW, the Gila River Dam. An analysis of peak yearly discharges and potential flood geomorphology of the Analysis Area, the presence of a significant int (Tat Momolikot Dam), and the distance to the TNW, suggests that the nebetween this drainage and the TNW is tenuous. No pollutants or in the Analysis Area. Additionally, this unnamed ephemeral drainage anctions, nutrients, or organic carbon to species within the TNW. This speculative or insubstantial effect on the physical, chemical, and/or effore, this unnamed ephemeral drainage does not possess a significant a River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for non or indirectly into TNW. Explain:   | -RPW and its adjacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for wet Explain:   | lands adjacent to an RPW but that do not directly abut the RPW.  |
|  |  |
| ). DETERMINATIONS OF JURISDICTION  | NAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| 1. TNWs and Adjacent Wetlands  |  |
| ☐ TNWs: Linear Fee ☐ Wetlands adjacent to TNWs:  | et Width (ft), Or, Acres  Acres  |
| Reserved for Section III D 2 (RPWs):   |  |
| 3. Non-RPWs that flow directly or in   | ndirectly into TNWs.   |
| <ul><li>☐ Non-TNW/non-RPW waterbody with a TNW, and is therfore juris</li><li>Length (Linear Feet):</li></ul>  | chat flows directly or indirectly into a TNW and has a signficant nexus dictional.  Width (feet):  Acres:  |
| Reserved for Section III D 4 (Wetlan   | ds directly abutting RPWs):  |
| Reserved for Section III D 5 (Wetlan   | ds adjacent to but not directly abutting RPWs):  |
| 6. Wetlands adjacent to non-RPWs   | that flow directly or indirectly into TNWs.  |
| ☐ Wetland adjacent to non-RPWs has a significant nexus with the Estimated size of jurisdictional v   |  |
| 7. Impoundments of jurisdictional  | •  |
| Demonstration of Jurisdiction:   |  |
|  | LATED WETLANDS THE HISE DECRADATION OF DESTRUCTION OF  |
| E. ISOLATED WATERS, INCLUDING ISO WHICH COULD AFFECT INTERSTATE CO   | LATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF DIMMERCE  |
| Supporting rationale:  |  |
| Length (linear feet):  | Acres:   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 40A                  |                     |                    |             |                   |                  |  |
|----------------------------------|---------------------|--------------------|-------------|-------------------|------------------|--|
| As described in Section 3C       |                     | •                  | ral draina  | ge determined th  | at it did not    |  |
| possess a significant nexus      | s with the nearest  | t TNW.             |             |                   |                  |  |
| Explain finding of Other:        |                     |                    |             |                   |                  |  |
| ✓ Non-wetland waters             | 509.09              | linear feet (ft),  | 7.97        | width (ft)        |                  |  |
| $\square$ Other waters           |                     | acres              |             |                   |                  |  |
| ☐ Wetlands                       | :                   | acres              |             |                   |                  |  |
| SECTION IV: DATA SOURCES         |                     |                    |             |                   |                  |  |
| ✓ Maps, Plans, Plots or P        | Plat Submitted by   | Annlicant/Consu    | Itant: W    | estLand Resource  | es Inc           |  |
| ✓ Data Sheets Prepared/          |                     |                    | realite.    | esteana nesoaro   | ,                |  |
| ☐ Office Concurs with            |                     |                    |             |                   |                  |  |
| ☐ Office Does Not Co             |                     | tion               |             |                   |                  |  |
| ☐ Data Sheets Prepared           | by the Corps        |                    |             |                   |                  |  |
| ☐ Corps Navigable Water          | r Study             |                    |             |                   |                  |  |
| $\square$ US Geological Survey F | Hydrologic Atlas    |                    |             |                   |                  |  |
| USGS NHD Data                    |                     |                    |             |                   |                  |  |
| $\square$ USGS 8 and 12 digi     | it HUC Map          |                    |             |                   |                  |  |
| ✓ US Geological Survey N         | Map(s) Scale and    | d Quad Name:       |             |                   |                  |  |
| Silver Reef Mounta               | ,                   |                    | osa Mount   | ains NW 7.5-Min   | ute Quadrangles  |  |
| ☐ USDA Nat'l Res Conser          | vation Service So   | il Survey Citatior | ր։          |                   |                  |  |
| ☐ National Wetlands Inve         |                     | Cite Map Name:     |             |                   |                  |  |
| ☐ State/Local Wetland Ir         |                     | •                  |             |                   |                  |  |
| ☐ FEMA/FIR Maps                  | · ·                 |                    |             |                   |                  |  |
| ☐ 100-year Floodplain El         | evation is:         |                    | (National   | Geodetic Vertical | l Datum of 1929) |  |
| Aerial Photographs (I            | Name and Date):     | BING, Microsoft \  | /irtual Ear | th 2008           |                  |  |
| ✓ Other Photographs (I           | Name and Date):     | Ground Photos; N   | May 2012    |                   |                  |  |
| Previous Determination           | ns File No. and     | Date of Response   | Letter:     |                   |                  |  |
| $\square$ Applicable/Supporting  | Case Law Citat      | ion:               |             |                   |                  |  |
| $\square$ Applicable/Supporting  | Scientific Literatu | ure Citation:      |             |                   |                  |  |
| Other Information, Ple           | ase Specify:        |                    |             |                   |                  |  |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION   |                           |
|---|---------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |                           |
| B. District Office and File No: Los Angeles District, File No. Pending  |                           |
| C. Project Location and Background Information: Drainage Feature 41   |                           |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Count   | ies, Arizona              |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |                           |
| Name of nearest waterbody: Unnamed Wash 41  |                           |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie D   | am                        |
| HUC Code: 15050306  |                           |
| ✓ Map/Diagram of potential jurisdictional area is available on request  |                           |
| D. Review Performed for Site Evaluation:  |                           |
| Office Determination. Date:   |                           |
| Field Determination. Date: 05/2012  |                           |
|   |                           |
| SECTION II: SUMMARY OF FINDINGS   |                           |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review are  | 22                        |
|   | ca.                       |
| B. CWA Section 404 Determination of Jurisdiction  There Are No  "waters of the U.S." within CWA jurisdiction in the review area.  |                           |
| ·   |                           |
| 1. Waters of the US:  |                           |
| Linear Feet Width (ft) and/or Acre  | S                         |
| Limits of Jurisdiction based on:  |                           |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined</li></ul>  | not to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this does not possessed a significant nexus with a downstream T not possess a significant nexus with the downstream TNW. |                           |
| SECTION III: CWA ANALYSIS   |                           |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |                           |
| 1. Identified TNW:  |                           |
| Rationale for TNW determination:  |                           |
|   |                           |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |                           |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS   |                           |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4                         |
| Drainage Area (sq mi): 0.00586 River Miles from tributary to TN   |                           |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RP  |                           |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TN Aerial Miles from tributary to RI   |                           |
| ☐ Project waters cross or serve as state boundaries. Explain:   | • [                       |

Feature ID: 41

| Unnamed drainages suggests the most lik River.                              |  | •                   |             | •              | •       |           |  |
|---|--|---------------------|-------------|----------------|---------|-----------|--|
| Tributary is: Natural   |  | Explain:            |             |                |         |           |  |
| Average Width (ft):   | 24.33  |                     |             |                |         |           |  |
| Average Depth (ft):   | 1  |                     |             |                |         |           |  |
| Average Side Slopes:  | 2.1  |                     |             |                |         |           |  |
| Primary tributary sub   |  | compositio          | n (check al | I that apply): |         |           |  |
| Primary tributary sub<br>✓ Silts ☐ Sands                                    | ostrate  | Cobbles             | Bedro       |                | ⁄el □ V | egetation |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                       | ostrate<br>s   | Cobbles<br>Other, E | Bedro       |                | ⁄el □ V | egetation |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  ─ributary Condition/ | ostrate of some of the some of | Cobbles Other, E    | ☐ Bedro     |                |         | egetation |  |
| Primary tributary sub  ✓ Silts   ☐ Sands                                    | ostrate s   Muck Stability le/Pool   | Cobbles Other, E    | Bedro       | ock ☑ Grav     |         | egetation |  |

| (c) Flow:                               |  |  |   |           |         |               |  |  |
|---|--|--|---|-----------|---------|---------------|--|--|
| Tributary Provides for:                 | Ephemeral Flow                             | Average  | Average Flow Events per year: 2-5         |           |         |               |  |  |
| Describe Flow Regime:                   | Ephemeral                                  | Other Inf  | Other Information on Duration and Volume: |           |         |               |  |  |
| Surface Flow is:                        | Confined                                   | Characte   | ristics:                                  |           |         |               |  |  |
| Subsurface Flow:                        | No   | Explain:   |   |           |         |               |  |  |
| Tributary Has:                          |  |  |   |           |         |               |  |  |
| ☐ Bed and Banks                         |  |  |   |           |         |               |  |  |
| ✓ OHWM: OHWM Inc                        | dicators:                                  |  |   |           |         |               |  |  |
| $\square$ Clear, natural line i         | mpressed on the banl                       | · □ \  | /egetatio                                 | on matted | down, b | ent or absent |  |  |
| ✓ Changes in soil cha                   |  | -  | r disturbed                               |           |         |               |  |  |
| ☐ Shelving                              | □ F  | resence  | of litter a                               | nd debri  | S       |               |  |  |
| ☐ Sediment deposition                   | Destruction of terrestrial vegetation      |  |   |           |         |               |  |  |
| Sediment sorting                        | $\square$ Abrupt change in plant community |  |   |           |         |               |  |  |
| ☐ Scour                                 |  | $\square$ Multiple observed or predicted flow events |   |           |         |               |  |  |
| ☐ Presence of wrack                     | line                                       | □ <b>\</b>   | Water sta                                 | aining    |         |               |  |  |
| Other (list):                           |  |  |   |           |         |               |  |  |
| ☐ Discontinuous? Ex                     | xplain:                                    |  |   |           |         |               |  |  |
| (iii) Chemical Characteris              | tics:                                      |  |   |           |         |               |  |  |
| Characterize Tributai                   | ry:  |  |   |           |         |               |  |  |
| Identify Specific Pollu                 | •  |  |   |           |         |               |  |  |
| , | ,  |  |   |           |         |               |  |  |
|   |  |  |   |           |         |               |  |  |
|   |  |  |   |           |         |               |  |  |
|   |  |  |   |           |         |               |  |  |

| (iv) Biological Characteristics. Channel supports (check all that apply):   Riparian Corridor Characteristics:   Wetland Fringe Characteristics:   Habitat for:   Federally Listed Species Explain:   Fish/Spawn Areas Explain:   Other environmentally -sensitive species Explain:   Aquatic/Wildlife diversity Explain:   2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW   (i) Physical Characteristics:   Wetland Size (ac): Wetland Type, Explain:   Project Wetlands Cross or Serve as State Boundaries, Explain:   Wetland Flow is: Explain:   Surface Flow is: Characteristics:   Subsurface Flow: Explain Findings:   Wetland Directly Abutting Non-TNW   Wetland Not Directly Abutting Non-TNW   Discrete wetland hydrologic connection Explain:   Ecological connection Explain:   Separated by berm/barrier Explain:  |       |
|--|-------|
| □ Wetland Fringe Characteristics:   Habitat for:   □ Federally Listed Species Explain:   □ Other environmentally -sensitive species Explain:   □ Aquatic/Wildlife diversity Explain:   2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW   (i) Physical Characteristics:   Wetland Size (ac): Wetland Type, Explain:   Project Wetlands Cross or Serve as State Boundaries, Explain:   Wetland Flow is: Explain:   Surface Flow is: Characteristics:   Subsurface Flow: Explain Findings:   □ Wetland Directly Abutting Non-TNW □ Wetland Not Directly Abutting Non-TNW   □ Discrete wetland hydrologic connection Explain: □ Ecologcal connection Explain:   |       |
| Habitat for:    Federally Listed Species   Explain:     Fish/Spawn Areas   Explain:     Other environmentally -sensitive species   Explain:     Aquatic/Wildlife diversity   Explain:    2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW (i) Physical Characteristics:   Wetland Size (ac):   Wetland Type, Explain:     Wetland Quality, Explain:     Project Wetlands Cross or Serve as State Boundaries, Explain:     Wetland Flow is:   Explain:     Surface Flow is:   Characteristics:     Subsurface Flow:   Explain Findings:     Wetland Directly Abutting Non-TNW     Wetland Not Directly Abutting Non-TNW     Discrete wetland hydrologic connection   Explain:     Ecological connection   Explain:  |       |
| ☐ Federally Listed Species Explain:   ☐ Fish/Spawn Areas Explain:   ☐ Other environmentally -sensitive species Explain:   ☐ Aquatic/Wildlife diversity Explain:    2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  (i) Physical Characteristics:  Wetland Size (ac):  Wetland Quality, Explain:  Project Wetlands Cross or Serve as State Boundaries, Explain:  Wetland Flow is:  Surface Flow is:  Subsurface Flow:  Explain Findings:  Wetland Directly Abutting Non-TNW  Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Ecological connection Explain:  Ecological Connection Explain:  Wetland Ploy Provided Prov   |       |
| □ Fish/Spawn Areas Explain:   □ Other environmentally -sensitive species Explain:   □ Aquatic/Wildlife diversity Explain:   2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW   (i) Physical Characteristics:   Wetland Size (ac): Wetland Type, Explain:   Wetland Quality, Explain: Project Wetlands Cross or Serve as State Boundaries, Explain:   Wetland Flow is: Explain:   Surface Flow is: Characteristics:   Subsurface Flow: Explain Findings:   □ Wetland Directly Abutting Non-TNW Wetland Not Directly Abutting Non-TNW   □ Discrete wetland hydrologic connection Explain: Explain:   □ Ecological connection Explain: Explain:   |       |
| □ Other environmentally -sensitive species Explain:   □ Aquatic/Wildlife diversity Explain:    2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  (i) Physical Characteristics:  Wetland Size (ac):  Wetland Type, Explain:  Wetland Quality, Explain:  Project Wetlands Cross or Serve as State Boundaries, Explain:  Wetland Flow is:  Explain:  Surface Flow is:  Subsurface Flow:  Wetland Directly Abutting Non-TNW  Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Ecological connection Explain:  Explain |       |
| Aquatic/Wildlife diversity Explain:  2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  (i) Physical Characteristics:  Wetland Size (ac): Wetland Type, Explain: Wetland Quality, Explain: Project Wetlands Cross or Serve as State Boundaries, Explain: Wetland Flow is: Explain: Surface Flow is: Characteristics: Subsurface Flow: Explain Findings:  Wetland Directly Abutting Non-TNW Wetland Not Directly Abutting Non-TNW Discrete wetland hydrologic connection Explain: Ecological connection Explain:   |       |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  (i) Physical Characteristics:  Wetland Size (ac):  Wetland Type, Explain:  Wetland Quality, Explain:  Project Wetlands Cross or Serve as State Boundaries, Explain:  Wetland Flow is:  Surface Flow is:  Characteristics:  Subsurface Flow:  Explain Findings:  Wetland Directly Abutting Non-TNW  Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Ecological connection Explain:  |       |
| (i) Physical Characteristics:  Wetland Size (ac): Wetland Type, Explain:  Wetland Quality, Explain:  Project Wetlands Cross or Serve as State Boundaries, Explain:  Wetland Flow is: Explain:  Surface Flow is: Characteristics:  Subsurface Flow: Explain Findings:  Wetland Directly Abutting Non-TNW  Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Ecological connection Explain:  |       |
| Wetland Size (ac):  Wetland Quality, Explain:  Project Wetlands Cross or Serve as State Boundaries, Explain:  Wetland Flow is:  Surface Flow is:  Subsurface Flow:  Wetland Directly Abutting Non-TNW  Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Ecological connection Explain:  |       |
| Wetland Quality, Explain:  Project Wetlands Cross or Serve as State Boundaries, Explain:  Wetland Flow is:  Surface Flow is:  Characteristics:  Subsurface Flow:  Explain Findings:  Wetland Directly Abutting Non-TNW  Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Ecological connection Explain:   |       |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  Wetland Flow is:  Surface Flow is:  Characteristics:  Subsurface Flow:  Explain Findings:  Wetland Directly Abutting Non-TNW  Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Ecological connection Explain:  |       |
| Wetland Flow is: Surface Flow is: Characteristics: Subsurface Flow: Explain Findings:  Wetland Directly Abutting Non-TNW Wetland Not Directly Abutting Non-TNW Discrete wetland hydrologic connection Explain: Ecological connection Explain:  |       |
| Surface Flow is:  Subsurface Flow:  Explain Findings:  Wetland Directly Abutting Non-TNW  Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Ecological connection Explain:   |       |
| Subsurface Flow: Explain Findings:  Wetland Directly Abutting Non-TNW  Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Ecological connection Explain:  |       |
| <ul> <li>□ Wetland Directly Abutting Non-TNW</li> <li>□ Wetland Not Directly Abutting Non-TNW</li> <li>□ Discrete wetland hydrologic connection Explain:</li> <li>□ Ecological connection Explain:</li> </ul>  |       |
| <ul> <li>□ Wetland Not Directly Abutting Non-TNW</li> <li>□ Discrete wetland hydrologic connection Explain:</li> <li>□ Ecological connection Explain:</li> </ul>   |       |
| <ul> <li>□ Discrete wetland hydrologic connection Explain:</li> <li>□ Ecological connection Explain:</li> </ul>  |       |
| ☐ Ecologcal connection Explain:  |       |
|  |       |
|  |       |
| Project Wetlands: River Miles from TNW:  |       |
| Project Wetlands: Aerial Miles from TNW:   |       |
| Flow is From:  |       |
| Approximate Location of Wetland within Floodplain:   |       |
| ii) Chemical Characteristics:  |       |
|  |       |
| Characterize Wetland System:   |       |
| iii) Biological Characteristics. Wetland supports (check all that apply):  |       |
| ☐ Riparian Buffer Explain:   |       |
| ☐ Vegetation type/percent cover. Explain:  |       |
| Habitat for:   |       |
| Federally Listed Species Explain:  |       |
| ☐ Fish/Spawn Areas Explain:  |       |
| Other environmentally-sensitive species Explain:   |       |
| ☐ Aquatic/Wildlife Diversity Explain:  |       |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |       |
| All wetland(s) considered in cumulative analysis:  |       |
| Wetland acres in total being considered in cumulative analysis:  |       |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical function   | ons): |
|  | -     |
|  |       |

| . SIGNIF   | ICANT NEXUS DETERMINATION  |
|--|--|
| _  | officant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly NW. Explain:  |
| betwe<br>discha<br>downs<br>possib<br>critical<br>does n<br>draina<br>biolog   | nnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River en Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood rges, in combination with the geomorphology of the Analysis Area, the presence of a significant stream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the ility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This ge does not have more than a speculative or insubstantial effect on the physical, chemical, and/or ical integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  |
| _  | nificant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly irectly into TNW. Explain:   |
| 3. Sigr<br>Explai  | nificant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
|  | NA/ Linear Foot N/idely (ft) On Asses  |
| ■ w  | NWs: Linear Feet Width (ft), Or, Acres  Yetlands adjacent to TNWs: Acres  Yed for Section III D 2 (RPWs):  |
| Reserv   | etlands adjacent to TNWs: Acres  |
| Reserve  | Yetlands adjacent to TNWs:  Yed for Section III D 2 (RPWs):  Acres  Acre |
| Reserv  3. Nor  No with  | Acres  Yed for Section III D 2 (RPWs):  n-RPWs that flow directly or indirectly into TNWs.  n-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus th a TNW, and is therfore jurisdictional.  Ingth (Linear Feet):  Width (feet):  Acres:   |
| Reserved.  3. Nor No with Lerent Reserved.   | Acres  |
| Reserved.  3. Nor No with Lerent Reserved.   | Ved for Section III D 2 (RPWs):  n-RPWs that flow directly or indirectly into TNWs.  n-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus th a TNW, and is therfore jurisdictional.  ngth (Linear Feet):  Width (feet):  Acres:  Eved for Section III D 4 (Wetlands directly abutting RPWs):  Eved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| Reserved.  3. Nor  No with Lerent Reserved.  Reserved.  We have  | Acres  Ac |
| Reserved.  3. Nor  No with Lerent Reserved.  Reserved.  We have the served to the served.  | retlands adjacent to TNWs:  Acres  Ac |
| Reserved.  3. Norwith Lerent Reserved.  Reserved.  What is a second of the control of the contro | Acres  red for Section III D 2 (RPWs):  n-RPWs that flow directly or indirectly into TNWs.  n-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus that TNW, and is therfore jurisdictional.  negth (Linear Feet):  wed for Section III D 4 (Wetlands directly abutting RPWs):  wed for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  retlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  retland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, as a significant nexus with the TNW.  timated size of jurisdictional wetland (in acres):  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 41  |  |
|---|--|
| As described in Section 3C possess a significant nexus  | C1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW.    |
| Explain finding of Other:   |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>                    | 6717.77 linear feet (ft), 24.33 width (ft) acres acres   |
| SECTION IV: DATA SOURCES  |  |
| Data Sheets Prepared/ Office Concurs with   | ncur with delineation by the Corps   |
| ☐ US Geological Survey F☐ USGS NHD Data   | ·  |
| $\square$ USGS 8 and 12 digi  | it HUC Map   |
|   | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles |
| ☐ USDA Nat'l Res Conser   | vation Service Soil Survey Citation:   |
| <ul><li>□ National Wetlands Invo</li><li>□ State/Local Wetland In</li><li>□ FEMA/FIR Maps</li></ul> |  |
| $\square$ FEMA/FIR Maps $\square$ 100-year Floodplain El  | evation is: (National Geodetic Vertical Datum of 1929)   |
| _ '   | Name and Date): BING, Microsoft Virtual Earth 2008   |
| Other Photographs (   | Name and Date): Ground Photos; May 2012  |
|   | ns File No. and Date of Response Letter:   |
| ☐ Applicable/Supporting   |  |
| ☐ Applicable/Supporting   |  |
| Other Information, Ple  | ase Specity:   |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM   | MATION          |  |             |                       |
|--|-----------------|--|-------------|-----------------------|
| A. Report Completion Date for App  | oroved Jurisdic | tional Determination: 07/30/2  | .012        |                       |
| B. District Office and File No: Los  |                 |  |             |                       |
| C. Project Location and Background   | d Information:  | Drainage Feature 41A   |             |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono  | O'odham Nation, Pima and Pinal   | Counties, A | Arizona               |
| Center coordinates of site: Lat.   | 32.5073         | Long111.9100   |             |                       |
| Name of nearest waterbody: Un  | named Wash 4    | 11A  |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | W: Gila River   | between Powers Butte and Gille   | spie Dam    |                       |
| ✓ Map/Diagram of potential juris   | dictional area  | is available on request  |             |                       |
| D. Review Performed for Site Evalu   |                 | ·  |             |                       |
| Office Determination. Date:  | idtion.         |  |             |                       |
| Field Determination. Date: 05/   | 2012            |  |             |                       |
|  |                 |  |             |                       |
| SECTION II: SUMMARY OF FINDIN  |                 |  |             |                       |
| A. RHA Section 10 Determination  |                 |  |             |                       |
| _  |                 | vithin RHA jurisdiction in the revi  | ew area.    |                       |
| B. CWA Section 404 Determination   |                 |  |             |                       |
|  | ie U.S. Within  | CWA jurisdiction in the review a   | rea.        |                       |
| 1. Waters of the US:   |                 | M. 1.1 (6) 1/  |             |                       |
| Linear Feet  |                 | Width (ft) and/or  | Acres       |                       |
| Limits of Jurisdiction based on:   |                 |  |             |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional was</li> </ol> |                 | etlands were assessed and deter  | mined not   | to be jurisdictional: |
|  | it possessed a  | ify as a TNW or RPW. Therefore, significant nexus with a downstr downstream TNW. |             |                       |
| SECTION III: CWA ANALYSIS  |                 |  |             |                       |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs     |  |             |                       |
| 1. Identified TNW:   |                 |  |             |                       |
| Rationale for TNW determinate  | tion:           |  |             |                       |
| 2. Rationale for conclusion tha  | at any wetland  | s present are "adjacent":  |             |                       |
| B. CHARACTERISTICS OF NON-TN   | M TRIRIITΔRY    | AND ITS ADIACENT WETI ANDS   |             |                       |
| TNW Watershed Size (sq mi):  | 49650           | Tributaries flow to TNW:   |             | 4                     |
| Drainage Area (sq mi):   | 0.00027         | River Miles from tributary   | to TNW:     | 30 (or more)          |
| Average Annual Rainfall (in):  | 8.5             | River Miles from tributary   | to RPW:     |                       |
| Average Annual Snowfall (in):  | 0               | Aerial Miles from tributary<br>Aerial Miles from tributary                       |             | 30 (or more)          |
| ☐ Project waters cross or serv   | ve as state bou |  |             |                       |

Feature ID: 41A

| suggests the most like                      |         |                   | rea are ultimately tributary to the Santa Rosa Wash. T<br>I flow is Santa Rosa Wash to the Santa Cruz Wash to |  |
|---|---------|-------------------|---|--|
| River.  Fributary is: Natural               |         | Explain:          |   |  |
| Average Width (ft):                         | 8.77    | <b>Е</b> хрічііі. |   |  |
| Average Depth (ft):                         | 1       |                   |   |  |
| Average Side Slopes:                        | 2:1     |                   |   |  |
| Fributary Condition/S Presence of Run/Riffl | •       |                   | table (xplain: Not Present  |  |
| Tributary Geometry:                         |         | tively Straig     | ·   |  |
| Tributary Gradient (a                       | pproxir | nate average      | slope): 2%  |  |
|   |         |                   |   |  |
|   |         |                   |   |  |

| Tributary Provides for: Ep     |                                    |   |                     |            |                  |  |
|--------------------------------|------------------------------------|---|---------------------|------------|------------------|--|
|                                | hemeral Flow                       | Average                                   | Flow Events per y   | ear:       | 2-5              |  |
| Describe Flow Regime: Ep       | hemeral                            | Other Information on Duration and Volume: |                     |            |                  |  |
| Surface Flow is: Co            | nfined                             | Characte                                  | ristics:            |            |                  |  |
| Subsurface Flow: No            | )                                  | Explain:                                  |                     |            |                  |  |
| Tributary Has:                 |                                    |   |                     |            |                  |  |
| D Bed and Banks                |                                    |   |                     |            |                  |  |
| ✓ OHWM: OHWM Indica            | tors:                              |   |                     |            |                  |  |
| ☐ Clear, natural line imp      |                                    | □ V                                       | egetation matted    | d down, b  | ent or absent    |  |
| ✓ Changes in soil charac       |                                    |   | eaf litter disturbe | -          |                  |  |
| ☐ Shelving                     | □ P                                | resence of litter a                       | and debri           | S          |                  |  |
| $\square$ Sediment deposition  |                                    | <b>✓</b> [                                | estruction of terr  | estrial ve | getation         |  |
| Sediment sorting               | ☐ Abrupt change in plant community |   |                     |            |                  |  |
| ☐ Scour                        |                                    |   | Aultiple observed   | or predi   | cted flow events |  |
| ☐ Presence of wrack line       | 9                                  | □ V                                       | Vater staining      |            |                  |  |
| Other (list):                  |                                    |   |                     |            |                  |  |
| ☐ Discontinuous? Expla         | in:                                |   |                     |            |                  |  |
| (iii) Chemical Characteristics | ••                                 |   |                     |            |                  |  |
|                                | <b>'•</b>                          |   |                     |            |                  |  |
| Characterize Tributary:        |                                    |   |                     |            |                  |  |
|                                | nts, if known:                     |   |                     |            |                  |  |

| r) Biological Characteristic   | cs. Channel supports (check all that apply):  |
|--|---|
| ☐ Riparian Corridor Ch   | haracteristics:   |
| ☐ Wetland Fringe Cha   | racteristics:   |
| Habitat for:   |   |
| ☐ Federally Listed Spec  | cies Explain:   |
| $\square$ Fish/Spawn Areas   | Explain:  |
| $\square$ Other environmenta   | ally -sensitive species Explain:  |
| ☐ Aquatic/Wildlife dive  | ersity Explain:   |
| Characteristics of wetlar  | nds adjacent to non-TNW that flow directly or indirectly into TNW                     |
| Physical Characteristics:  | ·   |
| Wetland Size (ac):   | Wetland Type, Explain:  |
| Wetland Quality, Explai  | in:   |
| Project Wetlands Cross   | s or Serve as State Boundaries, Explain:  |
| Wetland Flow is:   | Explain:  |
| Surface Flow is:   | Characteristics:  |
| Subsurface Flow:   | Explain Findings:   |
| ☐ Ecological connect ☐ Separated by berr Project Wetlands: River Project Wetlands: Aeria Flow is From: Approximate Location of | m/barrier Explain: r Miles from TNW: al Miles from TNW: of Wetland within Floodplain: |
| Characterize Wetland S   |   |
|  |   |
| -  | cs. Wetland supports (check all that apply):  |
| Riparian Buffer Ex   |   |
| Wegetation type/pe Habitat for:  | ercent cover. Explain:  |
|  | pecies Explain:   |
| Federally Listed Sr  |   |
| ☐ Federally Listed Sp<br>☐ Fish/Spawn Areas  | ·   |
| ☐ Fish/Spawn Areas   | ntally-sensitive species Explain:   |
| ,  |   |
| <ul><li>☐ Fish/Spawn Areas</li><li>☐ Other environmer</li><li>☐ Aquatic/Wildlife D</li></ul>                                   | Diversity Explain:  |
| ☐ Fish/Spawn Areas ☐ Other environmer ☐ Aquatic/Wildlife □ Characteristics of all wet  | Diversity Explain: tlands adjacent to the non-TNW tributary (if any)                  |
| ☐ Fish/Spawn Areas ☐ Other environmer ☐ Aquatic/Wildlife D  Characteristics of all wet All wetland(s) considered               | Diversity Explain:  |

| . SIGNIFICANT NEXUS DETERMINATION  |   |
|--|---|
| 1. Significant nexus findings for non-RPW that has r into TNW. Explain:  | no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gillespie Dam. An analys discharges, in combination with the geomorphology downstream manmade impoundment (Tat Momolik possibility of a hydrologic connection between this critical habitats were identified within the Analysis A does not provide lifecycle support functions, nutrien drainage does not have more than a speculative or in | of the Analysis Area, the presence of a significant of Dam), and the distance to the TNW, suggests that the drainage and the TNW is tenuous. No pollutants or Area. Additionally, this unnamed ephemeral drainage ants, or organic carbon to species within the TNW. This insubstantial effect on the physical, chemical, and/or area ephemeral drainage does not possess a significant |
| 2. Significant nexus findings for non-RPW and its ac or indirectly into TNW. Explain:  | djacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for wetlands adjacent text   | to an RPW but that do not directly abut the RPW.  |
| DETERMINATIONS OF HURISDISTIONAL FINDINGS A  | THE CHRIECT WATERS (WETLANDS ARE  |
| <ol> <li>D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. 1</li> <li>1. TNWs and Adjacent Wetlands</li> </ol>   | THE SUBJECT WATERS/WEILANDS ARE   |
| _  | MC III. (G) Q   |
| <ul><li>☐ TNWs: Linear Feet</li><li>☐ Wetlands adjacent to TNWs: Acres</li></ul>   | Width (ft), Or, Acres   |
| Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):   |   |
| ·  |   |
| <ul><li>3. Non-RPWs that flow directly or indirectly into TN</li><li>Non-TNW/non-RPW waterbody that flows direct with a TNW, and is therfore jurisdictional.</li></ul>   | tly or indirectly into a TNW and has a signficant nexus   |
| Length (Linear Feet): Width (feet  | t): Acres:  |
| Reserved for Section III D 4 (Wetlands directly abut   | ting RPWs):   |
| Reserved for Section III D 5 (Wetlands adjacent to b   | out not directly abutting RPWs):  |
| 6. Wetlands adjacent to non-RPWs that flow direct  | tly or indirectly into TNWs.  |
| •  | nation with the tributary and other adjacent wetlands,  |
| has a significant nexus with the TNW.  | s):   |
| estimated size of jurisdictional wetland (in acres   |   |
| _  |   |

Non-Jurisdictional Waters:

Supporting rationale: Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 41A   |                     |                  |                                     |          |
|---|---------------------|------------------|-------------------------------------|----------|
| As described in Section 3C1 possess a significant nexus v |                     | •                | ral drainage determined that it did | not      |
| Explain finding of Other:                                 |                     |                  |                                     |          |
| ✓ Non-wetland waters                                      | 861.59 li           | near feet (ft),  | 8.77 width (ft)                     |          |
| ☐ Other waters  | a                   | cres             |                                     |          |
| ☐ Wetlands  | а                   | cres             |                                     |          |
| SECTION IV: DATA SOURCES                                  |                     |                  |                                     |          |
| ✓ Maps, Plans, Plots or Pla                               | t Submitted by      | Applicant/Consu  | Itant: WestLand Resources, Inc.     |          |
| ✓ Data Sheets Prepared/S                                  | ubmitted on beh     | alf of Applicant |                                     |          |
| $\Box$ Office Concurs with $\mathfrak c$                  | lelineation         |                  |                                     |          |
| Office Does Not Cond                                      | cur with delineat   | ion              |                                     |          |
| $\square$ Data Sheets Prepared by                         | the Corps           |                  |                                     |          |
| ☐ Corps Navigable Water S                                 | Study               |                  |                                     |          |
| $\square$ US Geological Survey Hy                         | drologic Atlas      |                  |                                     |          |
| USGS NHD Data   |                     |                  |                                     |          |
| ☐ USGS 8 and 12 digit                                     | HUC Map             |                  |                                     |          |
| ✓ US Geological Survey Ma                                 | ap(s) Scale and     | Quad Name:       |                                     |          |
|   |                     |                  | osa Mountains NW 7.5-Minute Qua     | drangles |
| ☐ USDA Nat'l Res Conserva                                 | ntion Convice Cail  | Survey Citation  |                                     |          |
| ☐ National Wetlands Inver                                 |                     | te Map Name:     | 1.                                  |          |
| State/Local Wetland Inv  State/Local Wetland Inv          |                     | te Map Name.     |                                     |          |
| ☐ FEMA/FIR Maps   | circory iviaps      |                  |                                     |          |
| ☐ 100-year Floodplain Elev                                | ation is:           |                  | (National Geodetic Vertical Datum   | of 1929) |
| ✓ Aerial Photographs (Na                                  |                     |                  | •                                   |          |
| ✓ Other Photographs (Na                                   |                     |                  |                                     |          |
| ☐ Previous Determinations                                 | File No. and [      | Date of Response | Letter:                             |          |
| ☐ Applicable/Supporting C                                 |                     | •                |                                     |          |
| Applicable/Supporting S                                   | cientific Literatuu | re Citation:     |                                     |          |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM   | <u>MATION</u>   |   |             |                       |
|--|-----------------|---|-------------|-----------------------|
| A. Report Completion Date for App  | oroved Jurisdic | etional Determination: 07/30/2  | 012         |                       |
| B. District Office and File No: Los  |                 |   |             |                       |
| C. Project Location and Background   | d Information:  | Drainage Feature 41B  |             |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono  | O'odham Nation, Pima and Pinal  | Counties, A | Arizona               |
| Center coordinates of site: Lat.   | 32.5073         | Long111.9100  |             |                       |
| Name of nearest waterbody: Un  | named Wash 4    | 41B   |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | W: Gila River   | between Powers Butte and Gilles   | pie Dam     |                       |
| ✓ Map/Diagram of potential juris   | dictional area  | is available on request   |             |                       |
| D. Review Performed for Site Evalu   |                 |   |             |                       |
| Office Determination. Date:  | iation.         |   |             |                       |
| Field Determination. Date: 05/   | 2012            |   |             |                       |
| riela Determination. Date. 03/   | 2012            |   |             |                       |
| SECTION II: SUMMARY OF FINDIN  |                 |   |             |                       |
| A. RHA Section 10 Determination  |                 |   |             |                       |
| _  |                 | vithin RHA jurisdiction in the revi   | ew area.    |                       |
| B. CWA Section 404 Determination   |                 |   |             |                       |
|  | ne U.S." within | CWA jurisdiction in the review a  | ea.         |                       |
| 1. Waters of the US:   |                 |   |             |                       |
| Linear Feet  |                 | Width (ft) and/or   | Acres       |                       |
| Limits of Jurisdiction based on:   |                 |   |             |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional was</li> </ol> |                 | retlands were assessed and deter  | mined not   | to be jurisdictional: |
|  | it possessed a  | lify as a TNW or RPW. Therefore, significant nexus with a downstrodownstream TNW. |             | •                     |
| SECTION III: CWA ANALYSIS  |                 |   |             |                       |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs     |   |             |                       |
| 1. Identified TNW:   |                 |   |             |                       |
| Rationale for TNW determinate  | tion:           |   |             |                       |
| 2. Rationale for conclusion tha  | nt any wetland  | s present are "adjacent":   |             |                       |
| B. CHARACTERISTICS OF NON-TN   | W TRIBUTARY     | AND ITS ADJACENT WETLANDS   |             |                       |
| TNW Watershed Size (sq mi):  | 49650           | Tributaries flow to TNW:  |             | 4                     |
| Drainage Area (sq mi):   | 0.00026         | River Miles from tributary  | to TNW:     | 30 (or more)          |
| Average Annual Rainfall (in):  | 8.5             | River Miles from tributary  |             |                       |
| Average Annual Snowfall (in):  | 0               | Aerial Miles from tributary<br>Aerial Miles from tributary                        |             | 30 (or more)          |
| ☐ Project waters cross or serv   | ve as state bou |   |             |                       |

Feature ID: 41B

|   | thin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|---|--|
| Tributary is: Natural   | Explain:   |
| Average Width (ft): 6   | .74  |
| Average Depth (ft): 1   |  |
| Average Side Slopes: 2  | :1   |
| □ C □ NA.   | ck Other, Explain:   |
| •   |  |
| Tributary Condition/Sta<br>Presence of Run/Riffle/                        | Pool Complexes. Explain: Not Present   |
| Tributary Condition/Sta<br>Presence of Run/Riffle/<br>Tributary Geometry: |  |
| Tributary Condition/Sta<br>Presence of Run/Riffle/<br>Tributary Geometry: | Pool Complexes. Explain: Not Present Relatively Straight   |

| (c) Flow:                  |                       |               |   |             |           |                   |
|----------------------------|-----------------------|---------------|---|-------------|-----------|-------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average I     | Average Flow Events per year: 2-5         |             |           |                   |
| Describe Flow Regime:      | Ephemeral             | Other Inf     | Other Information on Duration and Volume: |             |           |                   |
| Surface Flow is:           | Confined              | Characte      | ristics:                                  |             |           |                   |
| Subsurface Flow:           | No                    | Explain:      |   |             |           |                   |
| Tributary Has:             |                       |               |   |             |           |                   |
| ☐ Bed and Banks            |                       |               |   |             |           |                   |
| ✓ OHWM: OHWM Inc           | dicators:             |               |   |             |           |                   |
|                            | impressed on the bank | $\Box$ $\lor$ | egetatior/                                | n matted    | down,     | bent or absent    |
| ✓ Changes in soil cha      | •                     |               | •   |             | -         | shed away         |
| ☐ Shelving                 |                       | □ P           | resence o                                 | of litter a | and debr  | ris               |
| ☐ Sediment deposition      | on                    |               | estructio                                 | n of terr   | estrial v | regetation        |
| Sediment sorting           |                       |               | brupt cha                                 | ange in p   | olant cor | nmunity           |
| ☐ Scour                    |                       |               | ⁄Iultiple o                               | bserved     | or predi  | icted flow events |
| ☐ Presence of wrack        | line                  | □ V           | Vater stai                                | ining       |           |                   |
| Other (list):              |                       |               |   |             |           |                   |
| ☐ Discontinuous? Ex        | rplain:               |               |   |             |           |                   |
| (iii) Chemical Characteris | tics:                 |               |   |             |           |                   |
| Characterize Tributa       |                       |               |   |             |           |                   |
| Identify Specific Poll     | •                     |               |   |             |           |                   |
| identity Specific Follo    | atants, ii known.     |               |   |             |           |                   |
|                            |                       |               |   |             |           |                   |
|                            |                       |               |   |             |           |                   |
|                            |                       |               |   |             |           |                   |
|                            |                       |               |   |             |           |                   |

|                                 | s. Channel supports (check all that apply):                       |  |
|---------------------------------|---|--|
| $\square$ Riparian Corridor Cha | aracteristics:  |  |
| ☐ Wetland Fringe Chara          | acteristics:  |  |
| Habitat for:                    |   |  |
| ☐ Federally Listed Specie       | es Explain:   |  |
| ☐ Fish/Spawn Areas              | Explain:  |  |
| $\square$ Other environmentall  |   |  |
| ☐ Aquatic/Wildlife diver        | sity Explain:   |  |
| . Characteristics of wetland    | ds adjacent to non-TNW that flow directly or indirectly into TNW  |  |
| ) Physical Characteristics:     |   |  |
| Wetland Size (ac):              | Wetland Type, Explain:  |  |
| Wetland Quality, Explain        | 1:  |  |
| Project Wetlands Cross of       | or Serve as State Boundaries, Explain:                            |  |
| Wetland Flow is:                | Explain:  |  |
| Surface Flow is:                | Characteristics:  |  |
| Subsurface Flow:                | Explain Findings:   |  |
| ☐ Wetland Directly Abut         | tting Non-TNW   |  |
| ☐ Wetland Not Directly          | Abutting Non-TNW  |  |
| ☐ Discrete wetland h            | ydrologic connection Explain:                                     |  |
| ☐ Ecologcal connection          | on Explain:   |  |
| ☐ Separated by berm             | /barrier Explain:   |  |
| Project Wetlands: River         | Miles from TNW:   |  |
| Project Wetlands: Aerial        | Miles from TNW:   |  |
| Flow is From:                   |   |  |
| Approximate Location of         | f Wetland within Floodplain:                                      |  |
| i) Chemical Characteristics:    |   |  |
| Characterize Wetland Sy         | stem:   |  |
| ii) Biological Characteristics  | s. Wetland supports (check all that apply):                       |  |
| ☐ Riparian Buffer Exp           |   |  |
| ☐ Vegetation type/per           |   |  |
| Habitat for:                    |   |  |
| ☐ Federally Listed Spe          | ecies Explain:  |  |
| ☐ Fish/Spawn Areas              | ·   |  |
| •                               | tally-sensitive species Explain:                                  |  |
| ☐ Aquatic/Wildlife Di           |   |  |
|                                 | ands adjacent to the non-TNW tributary (if any)                   |  |
| . Characteristics of all wetl:  | 2 2   |  |
|                                 | d in cumulative analysis:   |  |
| All wetland(s) considered       | d in cumulative analysis: eing considered in cumulative analysis: |  |

| Feature ID: 41B  |  |
|--|--|
| SIGNIFICANT NEXUS DETERMINATION  |  |
| 1. Significant nexus findings for non-RPW that has r into TNW. Explain:  | no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gillespie Dam. An analys discharges, in combination with the geomorphology downstream manmade impoundment (Tat Momolik possibility of a hydrologic connection between this critical habitats were identified within the Analysis A does not provide lifecycle support functions, nutrien drainage does not have more than a speculative or in | of the Analysis Area, the presence of a significant ket Dam), and the distance to the TNW, suggests that the drainage and the TNW is tenuous. No pollutants or Area. Additionally, this unnamed ephemeral drainage ants, or organic carbon to species within the TNW. This insubstantial effect on the physical, chemical, and/or amed ephemeral drainage does not possess a significant |
| 2. Significant nexus findings for non-RPW and its ac or indirectly into TNW. Explain:  | djacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for wetlands adjacent Explain:   | to an RPW but that do not directly abut the RPW.   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs: Acres   | Width (ft), Or, Acres  |
| Reserved for Section III D 2 (RPWs):   |  |
| 3. Non-RPWs that flow directly or indirectly into TN   | NWs.   |
| <ul> <li>Non-TNW/non-RPW waterbody that flows direct<br/>with a TNW, and is therfore jurisdictional.</li> </ul>  | tly or indirectly into a TNW and has a signficant nexus  |
| Length (Linear Feet): Width (feet  | t): Acres:   |
| Reserved for Section III D 4 (Wetlands directly abut   | ting RPWs):  |
| Pasaryad for Saction III D. E. (Matlands adjacent to b   | out not directly abutting RPWs):   |
| Reserved for Section in D.S. (Wetlands adjacent to L   | tly or indirectly into TNWs  |
| 6. Wetlands adjacent to non-RPWs that flow direct  | ary or maneetry into 114443.   |
| 6. Wetlands adjacent to non-RPWs that flow direct  | ination with the tributary and other adjacent wetlands,  |
| 6. Wetlands adjacent to non-RPWs that flow direct ☐ Wetland adjacent to non-RPWs which, in combi   | ination with the tributary and other adjacent wetlands,  |
| 6. Wetlands adjacent to non-RPWs that flow direct  ☐ Wetland adjacent to non-RPWs which, in combination has a significant nexus with the TNW.  | ination with the tributary and other adjacent wetlands,  |

Supporting rationale:
Length (linear feet): Acres:

#### F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 41B  |                                |                                     |          |
|--|--------------------------------|-------------------------------------|----------|
| As described in Section 3C1 a possess a significant nexus wi |                                | ral drainage determined that it did | not      |
| Explain finding of Other:                                    |                                |                                     |          |
| ✓ Non-wetland waters   | 1064.42 linear feet (ft),      | 6.74 width (ft)                     |          |
| ☐ Other waters   | acres                          |                                     |          |
| ☐ Wetlands   | acres                          |                                     |          |
| SECTION IV: DATA SOURCES                                     |                                |                                     |          |
| ✓ Maps, Plans, Plots or Plat                                 | Submitted by Applicant/Consu   | Itant: WestLand Resources, Inc.     |          |
| Data Sheets Prepared/Sub                                     | omitted on behalf of Applicant |                                     |          |
| $\square$ Office Concurs with de                             | lineation                      |                                     |          |
| Office Does Not Concu  | r with delineation             |                                     |          |
| $\square$ Data Sheets Prepared by t                          | :he Corps                      |                                     |          |
| Corps Navigable Water St                                     | udy                            |                                     |          |
| $\square$ US Geological Survey Hyd                           | rologic Atlas                  |                                     |          |
| USGS NHD Data  |                                |                                     |          |
| $\square$ USGS 8 and 12 digit H                              | UC Map                         |                                     |          |
| ✓ US Geological Survey Map                                   | o(s) Scale and Quad Name:      |                                     |          |
|  |                                | osa Mountains NW 7.5-Minute Qua     | drangles |
|  |                                |                                     |          |
| USDA Nat'l Res Conservat                                     | ·                              | 1:                                  |          |
| ☐ National Wetlands Invent                                   | · · · · ·                      |                                     |          |
| State/Local Wetland Inver                                    | itory Maps                     |                                     |          |
| ☐ FEMA/FIR Maps ☐ 100-year Floodplain Eleva                  | tion is:                       | (National Geodetic Vertical Datum   | of 1020) |
| ,  | ne and Date): BING, Microsoft  | •                                   | 01 1929) |
|  | ne and Date): Ground Photos; I |                                     |          |
| _  | File No. and Date of Response  |                                     |          |
| ☐ Applicable/Supporting Cas                                  |                                | 2000.                               |          |
| ☐ Applicable/Supporting Sci                                  |                                |                                     |          |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION  |  |                       |
|--|--|-----------------------|
| A. Report Completion Date for Approved Jurisdictional Determination:   | 07/30/2012                                   |                       |
| B. District Office and File No: Los Angeles District, File No. Pending   |  |                       |
| C. Project Location and Background Information: Drainage Feature   | 42   |                       |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pim   | a and Pinal Counties,                        | Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.910   | 00   |                       |
| Name of nearest waterbody: Unnamed Wash 42   |  |                       |
| Name of nearest downstream TNW: Gila River between Powers Butt   | e and Gillespie Dam                          |                       |
| HUC Code: 15050306   |  |                       |
| ✓ Map/Diagram of potential jurisdictional area is available on request   | t  |                       |
| D. Review Performed for Site Evaluation:   |  |                       |
| Office Determination. Date:  |  |                       |
| Field Determination. Date: 05/2012   |  |                       |
|  |  |                       |
| SECTION II: SUMMARY OF FINDINGS  A. DUA Continue 10 Determination of localistics   |  |                       |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction   | in the review area                           |                       |
|  | in the review area.                          |                       |
| B. CWA Section 404 Determination of Jurisdiction  There Are No  "waters of the U.S." within CWA jurisdiction in the  | no roviow area                               |                       |
| -  | ie review area.                              |                       |
| 1. Waters of the US:   |  |                       |
| Linear Feet Width (ft) and/or  | Acres  |                       |
| Limits of Jurisdiction based on:   |  |                       |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed</li></ul>  | d and determined not                         | to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. considered jurisdictional if it possessed a significant nexus with not possess a significant nexus with the downstream TNW.  |  | •                     |
| SECTION III: CWA ANALYSIS  |  |                       |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |  |                       |
| 1. Identified TNW:   |  |                       |
| Rationale for TNW determination:   |  |                       |
| 2. D. Carrello Construction of the characteristic street in the characteri |  |                       |
| 2. Rationale for conclusion that any wetlands present are "adjacer   | it":   |                       |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT W   | ETLANDS                                      |                       |
| TNW Watershed Size (sq mi): 49650 Tributaries flow   | v to TNW:                                    | 4                     |
|  | m tributary to TNW:                          | 30 (or more)          |
|  | m tributary to RPW:                          | 22 /                  |
|  | om tributary to TNW:<br>om tributary to RPW: | 30 (or more)          |
| ☐ Project waters cross or serve as state boundaries. Explain:  | •  |                       |

Feature ID: 42

| •               | s Area are ultimately tributary to the Santa Rosa Wash. Topography |
|-----------------|--|
| •               | s Area are ultimately tributary to the Santa Rosa Wash. Topography |
| oute of poter   | ntial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila   |
| Explain:        |  |
| 1               |  |
|                 |  |
|                 |  |
| Cobbles         | ☐ Bedrock  |
| c Other, I      | Explain:   |
| ility. Explain: | Stable   |
| ool Complexe    | s. Explain: Not Present  |
| Relatively Stra | ight   |
| oximate avera   | ge slope): 2%  |
| 1               | 21  I ate composition  |

| (c) Flow:                  |                      |                                    |   |             |          |                  |  |
|----------------------------|----------------------|------------------------------------|---|-------------|----------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow       | Average                            | Average Flow Events per year: 2-5         |             |          |                  |  |
| Describe Flow Regime:      | Ephemeral            | Other Inf                          | Other Information on Duration and Volume: |             |          |                  |  |
| Surface Flow is:           | Confined             | Characte                           | ristics:                                  |             |          |                  |  |
| Subsurface Flow:           | No                   | Explain:                           |   |             |          |                  |  |
| Tributary Has:             |                      |                                    |   |             |          |                  |  |
| ☐ Bed and Banks            |                      |                                    |   |             |          |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:            |                                    |   |             |          |                  |  |
| ☐ Clear, natural line i    | mpressed on the bank | · □ \                              | /egetatio                                 | on matted   | down, b  | ent or absent    |  |
| ✓ Changes in soil cha      | racter               |                                    | eaf litte                                 | r disturbe  | d or was | hed away         |  |
| ☐ Shelving                 |                      | □ P                                | resence                                   | of litter a | nd debri | S                |  |
| ☐ Sediment deposition      | oosition             |                                    |   |             |          | egetation        |  |
| ✓ Sediment sorting         |                      | ☐ Abrupt change in plant community |   |             |          | nmunity          |  |
| ☐ Scour                    |                      |                                    | Multiple                                  | observed    | or predi | cted flow events |  |
| ☐ Presence of wrack        | line                 | □ <b>\</b>                         | Vater sta                                 | aining      |          |                  |  |
| Other (list):              |                      |                                    |   |             |          |                  |  |
| ☐ Discontinuous? Ex        | xplain:              |                                    |   |             |          |                  |  |
| (iii) Chemical Characteris | tics:                |                                    |   |             |          |                  |  |
| Characterize Tributa       | ry:                  |                                    |   |             |          |                  |  |
| Identify Specific Poll     | •                    |                                    |   |             |          |                  |  |
| , ,                        | •                    |                                    |   |             |          |                  |  |
|                            |                      |                                    |   |             |          |                  |  |
|                            |                      |                                    |   |             |          |                  |  |
|                            |                      |                                    |   |             |          |                  |  |

| Feature ID: 42   |            |
|--|------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                    |            |
| Riparian Corridor Characteristics:   |            |
| ☐ Wetland Fringe Characteristics:  |            |
| Habitat for:   |            |
| ☐ Federally Listed Species Explain:  |            |
| ☐ Fish/Spawn Areas Explain:  |            |
| ☐ Other environmentally -sensitive species   |            |
| ☐ Aquatic/Wildlife diversity Explain:  |            |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                 |            |
| (i) Physical Characteristics:  |            |
| Wetland Size (ac): Wetland Type, Explain:  |            |
| Wetland Quality, Explain:  |            |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |            |
| Wetland Flow is: Explain:  |            |
| Surface Flow is: Characteristics:  |            |
| Subsurface Flow: Explain Findings:   |            |
| ☐ Wetland Directly Abutting Non-TNW  |            |
| ☐ Wetland Not Directly Abutting Non-TNW  |            |
| ☐ Discrete wetland hydrologic connection Explain:  |            |
| ☐ Ecologcal connection Explain:  |            |
| ☐ Separated by berm/barrier Explain:   |            |
| Project Wetlands: River Miles from TNW:  |            |
| Project Wetlands: Aerial Miles from TNW:   |            |
| Flow is From:  |            |
| Approximate Location of Wetland within Floodplain:   |            |
| (ii) Chemical Characteristics:   |            |
| Characterize Wetland System:   |            |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                   |            |
|  |            |
| <ul><li>☐ Riparian Buffer Explain:</li><li>☐ Vegetation type/percent cover. Explain:</li></ul>               |            |
| Habitat for:   |            |
| Federally Listed Species Explain:  |            |
| ☐ Fish/Spawn Areas Explain:  |            |
| ☐ Other environmentally-sensitive species Explain:   |            |
| ☐ Aquatic/Wildlife Diversity Explain:  |            |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                |            |
|  |            |
| All wetland(s) considered in cumulative analysis:  |            |
| Wetland acres in total being considered in cumulative analysis:  |            |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fu | inctions): |
|  |            |
|  |            |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly Into TNW. Explain: This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila Rive between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Wolth (feet): Acres: Reserved for Section III D 5 (Wetlands directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated Significant nexus with the TNW.  Bemonstration of Jurisdictional wa  | د. 3                | IGNIFICANT NEXUS DETERMINATION  |
|--|---------------------|---|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres: Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly into TNWs.  Wetlands adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Juri |                     |   |
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| <ul> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.</li></ul>   | :                   | . Non-RPWs that flow directly or indirectly into TNWs.  |
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| has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  Supporting rationale:  |                     | 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |
| 7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  Supporting rationale:   |                     | •   |
| Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  Supporting rationale:  |                     | Estimated size of jurisdictional wetland (in acres):  |
| . ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  Supporting rationale:   |                     | 7. Impoundments of jurisdictional waters.   |
| VHICH COULD AFFECT INTERSTATE COMMERCE  Supporting rationale:  |                     | Demonstration of Jurisdiction:  |
|  |                     |   |
|  | VVF                 |   |
| Length (linear feet): Acres:   | VVF                 |   |

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 42   |  |  |
|--|--|--|
| As described in Section 30 possess a significant nexus   | c1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW.  |  |
| Explain finding of Other:  |  |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 1934.54 linear feet (ft), 9.21 width (ft) acres acres  |  |
| Wetlands   | acres  |  |
| SECTION IV: DATA SOURCES   |  |  |
| ✓ Data Sheets Prepared/  ☐ Office Concurs with   | Value of Submitted by Applicant/Consultant: WestLand Resources, Inc.  WestLand Resources, Inc.  WestLand Resources, Inc.  WestLand Resources, Inc. |  |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas  |  |
|  | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles   |  |
| ☐ National Wetlands Inv☐ State/Local Wetland In  |  |  |
| ☐ FEMA/FIR Maps  |  |  |
| ☐ 100-year Floodplain El   |  |  |
|  | Name and Date): BING, Microsoft Virtual Earth 2008   |  |
|  | Name and Date): Ground Photos; May 2012  |  |
|  | ns File No. and Date of Response Letter:   |  |
| ☐ Applicable/Supporting  |  |  |
| <ul><li>Applicable/Supporting</li><li>Other Information, Ple</li></ul>   |  |  |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>    |                     |                                  |             |                       |
|---|------------------|---------------------|----------------------------------|-------------|-----------------------|
| A. Report Completion Date for App   | roved Jurisdict  | ional Determination | on: 07/30/2                      | 2012        |                       |
| B. District Office and File No: Los   | Angeles Distric  | t, File No. Pending |                                  |             |                       |
| C. Project Location and Background  | d Information:   | Drainage Featu      | re 43                            |             |                       |
| City, County, State Sif Oidak Dis   | strict, Tohono ( | D'odham Nation, P   | ima and Pinal                    | Counties, A | rizona                |
| Center coordinates of site: Lat.  | 32.5073          | Long111.            | 9100                             |             |                       |
| Name of nearest waterbody: Un   | named Wash 4     | 3                   |                                  |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River l  | oetween Powers B    | utte and Gille                   | spie Dam    |                       |
| ✓ Map/Diagram of potential juris  | dictional area i | s available on requ | iest                             |             |                       |
| D. Review Performed for Site Evalu  | ation:           |                     |                                  |             |                       |
| Office Determination. Date:   |                  |                     |                                  |             |                       |
| Field Determination. Date: 05/2   | 2012             |                     |                                  |             |                       |
| SECTION II: SUMMARY OF FINDING  | GS               |                     |                                  |             |                       |
| A. RHA Section 10 Determination   |                  |                     |                                  |             |                       |
| There Are No "navigable waters  |                  | ithin RHA jurisdict | ion in the revi                  | ew area.    |                       |
| B. CWA Section 404 Determination  | n of Jurisdictio | n                   |                                  |             |                       |
| There Are No "waters of the   | ne U.S." within  | CWA jurisdiction in | n the review a                   | rea.        |                       |
| 1. Waters of the US:  |                  |                     |                                  |             |                       |
| Linear Feet   |                  | Width (ft) and/or   |                                  | Acres       |                       |
| Limits of Jurisdiction based on:  |                  |                     |                                  |             |                       |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa                        |                  | etlands were asses  | sed and deter                    | mined not t | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a   | significant nexus v | •                                | •           | •                     |
| SECTION III: CWA ANALYSIS   |                  |                     |                                  |             |                       |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs      |                     |                                  |             |                       |
| 1. Identified TNW:  |                  |                     |                                  |             |                       |
| Rationale for TNW determinat  | ion:             |                     |                                  |             |                       |
| 2. Rationale for conclusion tha   | it any wetlands  | present are "adja   | cent":                           |             |                       |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY A    | AND ITS ADJACENT    | WETLANDS                         |             |                       |
| TNW Watershed Size (sq mi):   | 49650            |                     | low to TNW:                      |             | 4                     |
| Drainage Area (sq mi):  | 0.00203<br>8.5   |                     | from tributary<br>from tributary |             | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 0                |                     | from tributary<br>from tributary |             | 30 (or more)          |
| , were get initial showing (III).   |                  |                     | from tributar                    | •           | 20 (0. 111012)        |
| ☐ Project waters cross or serv  | ve as state bou  | ndaries. Explain    | :                                |             |                       |

Feature ID: 43

| eature ID: 43          |  |
|------------------------|--|
| Identify flow route to | TNW:   |
|                        | within the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography ely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural  | Explain:   |
| Average Width (ft):    | 9.41   |
| Average Depth (ft):    | 1  |
| Average Side Slopes:   | 2:1  |
| ✓ Silts ☐ Sands        | strate composition (check all that apply):  Gravel Vegetation  |
| ☐ Concrete ☐ N         | Muck Other, Explain:   |
| Tributary Condition/S  | Stability. Explain: Stable   |
| Presence of Run/Riffl  | e/Pool Complexes. Explain: Not Present   |
| Tributary Geometry:    | Relatively Straight  |
| Tributary Gradient (a  | pproximate average slope): 2%  |
|                        |  |

| (c) Flow:                  |                       |                  |             |             |            |                   |
|----------------------------|-----------------------|------------------|-------------|-------------|------------|-------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Eve    | nts per y   | ear:       | 2-5               |
| Describe Flow Regime:      | Ephemeral             | Other Inf        | ormation    | n on Dura   | ation and  | d Volume:         |
| Surface Flow is:           | Confined              | Characte         | ristics:    |             |            |                   |
| Subsurface Flow:           | No                    | Explain:         |             |             |            |                   |
| Tributary Has:             |                       |                  |             |             |            |                   |
| ☐ Bed and Banks            |                       |                  |             |             |            |                   |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |             |             |            |                   |
| ☐ Clear, natural line      | impressed on the bank | $\square$ $\vee$ | egetatio    | n matte     | d down,    | bent or absent    |
| Changes in soil cha        |                       |                  | eaf litter  | disturbe    | d or wa    | shed away         |
| ☐ Shelving                 |                       | □ P              | resence     | of litter a | and debi   | ris               |
| ☐ Sediment deposition      | on                    |                  | estructio   | on of teri  | restrial v | egetation         |
| Sediment sorting           |                       |                  | brupt ch    | ange in p   | olant cor  | nmunity           |
| ☐ Scour                    |                       |                  | /lultiple o | bserved     | or pred    | icted flow events |
| ☐ Presence of wrack        | line                  | □ <b>v</b>       | Vater sta   | ining       |            |                   |
| Other (list):              |                       |                  |             |             |            |                   |
| ☐ Discontinuous? Ex        | xplain:               |                  |             |             |            |                   |
| (iii) Chemical Characteris | stics:                |                  |             |             |            |                   |
| Characterize Tributa       | ry:                   |                  |             |             |            |                   |
| Identify Specific Poll     | utants, if known:     |                  |             |             |            |                   |
| , ,                        | ,                     |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |

| Wetland Flow is:   | Feature ID: 43                       |  |
|--|--------------------------------------|--|
| Wetland Fringe Characteristics:   Habitat for:   | (iv) Biological Characteristics. Ch  | nannel supports (check all that apply):  |
| Habitat for:    Federally Listed Species   | Riparian Corridor Charac             | eteristics:  |
| Federally Listed Species   Explain:  | ☐ Wetland Fringe Characte            | ristics:   |
| Fish/Spawn Areas   Explain:   Other environmentally-sensitive species   Explain:   Aquatic/Wildlife diversity   Explain:   | Habitat for:                         |  |
| Other environmentally -sensitive species   Explain:     Aquatic/Wildlife diversity   Explain:  | ☐ Federally Listed Species           | Explain:   |
| Aquatic/Wildlife diversity Explain:  | $\square$ Fish/Spawn Areas           | Explain:   |
| . Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW i) Physical Characteristics:  Wetland Size (ac): Wetland Quality, Explain: Project Wetlands Cross or Serve as State Boundaries, Explain: Wetland Flow is: Surface Flow is: Surface Flow is: Characteristics: Subsurface Flow: Wetland Directly Abutting Non-TNW Wetland Directly Abutting Non-TNW Discrete wetland hydrologic connection Explain: Separated by berm/barrier Explain: Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain: ii) Chemical Characteristics: Characterize Wetland System:    Riparian Buffer Explain:   Vegetation type/percent cover. Explain:   Habitat for:   Federally Listed Species Explain:   Gother environmentally-sensitive species Explain: | $\square$ Other environmentally -se  | ensitive species Explain:  |
| Physical Characteristics:   Wetland Size (ac):   | $\square$ Aquatic/Wildlife diversity | Explain:   |
| i) Physical Characteristics:  Wetland Size (ac):   | 2. Characteristics of wetlands ac    | diacent to non-TNW that flow directly or indirectly into TNW                               |
| Wetland Quality, Explain: Project Wetlands Cross or Serve as State Boundaries, Explain: Wetland Flow is: Surface Flow is: Characteristics: Subsurface Flow: Explain Findings:  Wetland Directly Abutting Non-TNW Wetland Not Directly Abutting Non-TNW Discrete wetland hydrologic connection Explain: Ecological connection Explain: Project Wetlands: River Miles from TNW: Project Wetlands: River Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain:  ii) Chemical Characteristics: Characterize Wetland System:   |                                      |  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  Wetland Flow is:  Surface Flow is:  Characteristics:  Subsurface Flow:  Wetland Directly Abutting Non-TNW  Wetland Not Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Ecological connection Explain:  Separated by berm/barrier Explain:  Project Wetlands: River Miles from TNW:  Project Wetlands: Aerial Miles from TNW:  Flow is From:  Approximate Location of Wetland within Floodplain:    Chemical Characteristics:  Characterize Wetland System:    Biparian Buffer Explain:    Vegetation type/percent cover. Explain:    Habitat for:    Federally Listed Species Explain:    Other environmentally-sensitive species Explain:  | Wetland Size (ac):                   | Wetland Type, Explain:   |
| Wetland Flow is: Surface Flow is: Subsurface Flow:  Wetland Directly Abutting Non-TNW Wetland Not Directly Abutting Non-TNW Discrete wetland hydrologic connection Explain: Ecological connection Explain: Separated by berm/barrier Explain: Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain:  i) Chemical Characteristics: Characterize Wetland System: Biological Characteristics. Wetland supports (check all that apply): Riparian Buffer Explain: Vegetation type/percent cover. Explain: Habitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain:   | Wetland Quality, Explain:            |  |
| Surface Flow is:   | Project Wetlands Cross or Se         | erve as State Boundaries, Explain:   |
| Subsurface Flow: Explain Findings:  Wetland Directly Abutting Non-TNW Wetland Not Directly Abutting Non-TNW Discrete wetland hydrologic connection Explain: Ecological connection Explain: Separated by berm/barrier Explain: Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain:  i) Chemical Characteristics: Characterize Wetland System:  ii) Biological Characteristics. Wetland supports (check all that apply): Riparian Buffer Explain: Vegetation type/percent cover. Explain: Habitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain:  | Wetland Flow is:                     | Explain:   |
| Wetland Directly Abutting Non-TNW   Wetland Not Directly Abutting Non-TNW   Discrete wetland hydrologic connection   Explain:     Ecological connection   Explain:     Separated by berm/barrier   Explain:     Project Wetlands: River Miles from TNW:     Project Wetlands: Aerial Miles from TNW:     Flow is From:     Approximate Location of Wetland within Floodplain:     Chemical Characteristics:     Characterize Wetland System:     Biological Characteristics. Wetland supports (check all that apply):     Riparian Buffer   Explain:     Vegetation type/percent cover. Explain:     Habitat for:     Federally Listed Species   Explain:     Other environmentally-sensitive species   Explain:   | Surface Flow is:                     | Characteristics:   |
| □ Wetland Not Directly Abutting Non-TNW □ Discrete wetland hydrologic connection Explain:   □ Ecological connection Explain: □ Separated by berm/barrier Explain:   □ Project Wetlands: River Miles from TNW: □ Project Wetlands: Aerial Miles from TNW:   Flow is From: □ Approximate Location of Wetland within Floodplain:   (i) Chemical Characteristics: □ Characterize Wetland System:   □ Biological Characteristics. Wetland supports (check all that apply):   □ Riparian Buffer Explain: □ Vegetation type/percent cover. Explain:   □ Habitat for: □ Federally Listed Species Explain:   □ Fish/Spawn Areas Explain: □ Other environmentally-sensitive species Explain:   | Subsurface Flow:                     | Explain Findings:  |
| □ Wetland Not Directly Abutting Non-TNW   □ Discrete wetland hydrologic connection Explain:   □ Ecological connection Explain:   □ Separated by berm/barrier Explain:   Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW:   Flow is From: Approximate Location of Wetland within Floodplain:   ii) Chemical Characteristics: Characterize Wetland System:   iii) Biological Characteristics. Wetland supports (check all that apply):   □ Riparian Buffer Explain:   □ Vegetation type/percent cover. Explain: Habitat for:   □ Federally Listed Species Explain:   □ Fish/Spawn Areas Explain:   □ Other environmentally-sensitive species Explain:  | ☐ Wetland Directly Abutting          | ₹ Non-TNW  |
| □ Discrete wetland hydrologic connection Explain:   □ Ecologcal connection Explain:   □ Separated by berm/barrier Explain:   Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW:   Flow is From: Approximate Location of Wetland within Floodplain:   ii) Chemical Characteristics: Characterize Wetland System:   iii) Biological Characteristics. Wetland supports (check all that apply):   □ Riparian Buffer Explain:   □ Vegetation type/percent cover. Explain: Habitat for:   □ Federally Listed Species Explain:   □ Fish/Spawn Areas Explain:   □ Other environmentally-sensitive species Explain:   | ,                                    |  |
| □ Ecologcal connection Explain:   □ Separated by berm/barrier Explain:   Project Wetlands: River Miles from TNW:   Project Wetlands: Aerial Miles from TNW:   Flow is From:   Approximate Location of Wetland within Floodplain:   I) Chemical Characteristics:   Characterize Wetland System:     Biological Characteristics. Wetland supports (check all that apply):   □ Riparian Buffer Explain:   □ Vegetation type/percent cover. Explain:   Habitat for:   □ Federally Listed Species Explain:   □ Fish/Spawn Areas Explain:   □ Other environmentally-sensitive species Explain:   | ·                                    |  |
| □ Separated by berm/barrier Explain: Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain:  i) Chemical Characteristics: Characterize Wetland System:  ii) Biological Characteristics. Wetland supports (check all that apply): □ Riparian Buffer Explain: □ Vegetation type/percent cover. Explain: □ Habitat for: □ Federally Listed Species Explain: □ Fish/Spawn Areas Explain: □ Other environmentally-sensitive species Explain:   | •                                    |  |
| Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain:  (i) Chemical Characteristics: Characterize Wetland System:  (ii) Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain: Vegetation type/percent cover. Explain: Habitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain:   | -                                    |  |
| Flow is From: Approximate Location of Wetland within Floodplain:  i) Chemical Characteristics: Characterize Wetland System:  ii) Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain: Vegetation type/percent cover. Explain: Habitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain:  |                                      |  |
| Approximate Location of Wetland within Floodplain:  i) Chemical Characteristics:  Characterize Wetland System:  ii) Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain:  Vegetation type/percent cover. Explain:  Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally-sensitive species Explain:  | Project Wetlands: Aerial Mile        | es from TNW:   |
| i) Chemical Characteristics:  Characterize Wetland System:  ii) Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain:  Vegetation type/percent cover. Explain:  Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally-sensitive species Explain:  | Flow is From:                        |  |
| Characterize Wetland System:  ii) Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain:  Vegetation type/percent cover. Explain:  Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally-sensitive species Explain:  | Approximate Location of We           | etland within Floodplain:  |
| Characterize Wetland System:  ii) Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain:  Vegetation type/percent cover. Explain:  Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally-sensitive species Explain:  | i) Chemical Characteristics:         |  |
| ii) Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain: Vegetation type/percent cover. Explain: Habitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain:   |                                      | n:   |
| <ul> <li>□ Riparian Buffer Explain:</li> <li>□ Vegetation type/percent cover. Explain:</li> <li>Habitat for:</li> <li>□ Federally Listed Species Explain:</li> <li>□ Fish/Spawn Areas Explain:</li> <li>□ Other environmentally-sensitive species Explain:</li> </ul>  |                                      |  |
| <ul> <li>□ Vegetation type/percent cover. Explain:</li> <li>□ Habitat for:</li> <li>□ Federally Listed Species Explain:</li> <li>□ Fish/Spawn Areas Explain:</li> <li>□ Other environmentally-sensitive species Explain:</li> </ul>  |                                      |  |
| Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally-sensitive species Explain:   | ·                                    |  |
| <ul> <li>□ Federally Listed Species Explain:</li> <li>□ Fish/Spawn Areas Explain:</li> <li>□ Other environmentally-sensitive species Explain:</li> </ul>   | 7, .,                                | cover. Explain:  |
| ☐ Fish/Spawn Areas Explain: ☐ Other environmentally-sensitive species Explain:   |                                      | c. Evalaina  |
| ☐ Other environmentally-sensitive species Explain:   |                                      |  |
|  | • •                                  |  |
| - Aquaticy Whatine Diversity - Explain.  | ·                                    |  |
|  | •                                    |  |
| . Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |                                      |  |
| All wetland(s) considered in cumulative analysis:  | • •                                  |  |
| Wetland acres in total being considered in cumulative analysis:  | Wetland acres in total being         | considered in cumulative analysis:   |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions):  | Describe each wetland (direc         | ctly abuts tributary?; size in acres; overall biological, chemical or physical functions): |

| CICNIEICANT  | VIIC DETERMINISTION  |
|--|--|
|  | (US DETERMINATION  |
| into TNW. Explai   | us findings for non-RPW that has no adjacent wetlands and flows directly or indirectly in:   |
| between Powers discharges, in condownstream man possibility of a hy critical habitats widoes not provide drainage does not biological integrit   | hemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood inbination with the geomorphology of the Analysis Area, the presence of a significant imade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the drologic connection between this drainage and the TNW is tenuous. No pollutants or were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage lifecycle support functions, nutrients, or organic carbon to species within the TNW. This is thave more than a speculative or insubstantial effect on the physical, chemical, and/or by of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant than the Gila River between Powers Butte and Gillespie Dam.   |
| 2. Significant nex or indirectly into  | cus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly TNW. Explain:   |
| 3. Significant nex Explain:  | cus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
|  |  |
| 1. TNWs and Adja  TNWs:  Wetlands adj  | Linear Feet Width (ft), Or, Acres jacent to TNWs: Acres  |
| 1. TNWs and Adja  TNWs:  Wetlands adj  Reserved for Sect   | Linear Feet Width (ft), Or, Acres  jacent to TNWs: Acres  tion III D 2 (RPWs):   |
| 1. TNWs and Adja  TNWs:  Wetlands adja Reserved for Secta 3. Non-RPWs that Non-TNW/not with a TNW, a   | Linear Feet Width (ft), Or, Acres  jacent to TNWs: Acres  tion III D 2 (RPWs):  at flow directly or indirectly into TNWs.  n-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.   |
| 1. TNWs and Adja  TNWs:  Wetlands adja Reserved for Secta 3. Non-RPWs that Non-TNW/not with a TNW, at Length (Linear   | Linear Feet Width (ft), Or, Acres  jacent to TNWs: Acres  tion III D 2 (RPWs):  at flow directly or indirectly into TNWs.  n-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Treet): Width (feet): Acres:   |
| 1. TNWs and Adja  TNWs:  Wetlands adja  Reserved for Sect  3. Non-RPWs that  Non-TNW/not with a TNW, at Length (Linear Reserved for Section Se | Linear Feet Width (ft), Or, Acres  jacent to TNWs: Acres  tion III D 2 (RPWs):  It flow directly or indirectly into TNWs.  In-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  In Feet): Width (feet): Acres:  |
| 1. TNWs and Adja  TNWs:  Wetlands adja  Reserved for Sect  3. Non-RPWs that  Non-TNW/not with a TNW, at Length (Linear Reserved for Section Reserved for Reserved for Section Reserved for Section Reserved for Reserved fo | Linear Feet Width (ft), Or, Acres  jacent to TNWs: Acres  tion III D 2 (RPWs):  at flow directly or indirectly into TNWs.  n-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Treet): Width (feet): Acres:   |
| 1. TNWs and Adja  TNWs:  Wetlands adja  Reserved for Sect  3. Non-RPWs that  Non-TNW/non with a TNW, a Length (Linear Reserved for Sect Reserved for Sect  6. Wetlands adja  Wetland adja  | Linear Feet Width (ft), Or, Acres  jacent to TNWs: Acres  tion III D 2 (RPWs):  It flow directly or indirectly into TNWs.  In-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  If Feet): Width (feet): Acres:  Ittion III D 4 (Wetlands directly abutting RPWs):  Ittion III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |
| 1. TNWs and Adja  TNWs:  Wetlands adja Reserved for Sect 3. Non-RPWs that Non-TNW/not with a TNW, at Length (Linear Reserved for Sect Reserved for Sect 6. Wetlands adjating has a signification   | Linear Feet Width (ft), Or, Acres  jacent to TNWs: Acres  tion III D 2 (RPWs):  It flow directly or indirectly into TNWs.  In-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  In Feet): Width (feet): Acres:  Ittion III D 4 (Wetlands directly abutting RPWs):  Ittion III D 5 (Wetlands adjacent to but not directly abutting RPWs):  In accent to non-RPWs that flow directly or indirectly into TNWs.  In accent to non-RPWs which, in combination with the tributary and other adjacent wetlands,  |
| 1. TNWs and Adja  TNWs:  Wetlands adja Reserved for Sect  3. Non-RPWs that  Non-TNW/not with a TNW, at Length (Linear Reserved for Sect Re | Linear Feet Width (ft), Or, Acres  spacent to TNWs: Acres  Acres: Acres  Cition III D 4 (Wetlands directly abutting RPWs):  Cation III D 5 (Wetlands adjacent to but not directly abutting RPWs):  Cacent to non-RPWs that flow directly or indirectly into TNWs.  Acres  Acres: Ac |
| 1. TNWs and Adja  TNWs:  Wetlands adja Reserved for Sect 3. Non-RPWs that Non-TNW/not with a TNW, at Length (Linear Reserved for Sect Reserved for Sect 6. Wetlands adjate has a significate Estimated siz 7. Impoundment  | Linear Feet Width (ft), Or, Acres  jacent to TNWs: Acres  tion III D 2 (RPWs):  at flow directly or indirectly into TNWs.  In-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  In Feet): Width (feet): Acres:  Ition III D 4 (Wetlands directly abutting RPWs):  Ition III D 5 (Wetlands adjacent to but not directly abutting RPWs):  In Greent to non-RPWs that flow directly or indirectly into TNWs.  In Greent to non-RPWs which, in combination with the tributary and other adjacent wetlands, and nexus with the TNW.  The of jurisdictional wetland (in acres):   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 43   |   |                                    |             |                                  |  |
|--|---|------------------------------------|-------------|----------------------------------|--|
| As described in Section 30 possess a significant nexu  |   | •                                  | eral draina | ge determined that it did not    |  |
| Explain finding of Other:  |   |                                    |             |                                  |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 6   | inear feet (ft),<br>acres<br>acres | 9.41        | width (ft)                       |  |
| SECTION IV: DATA SOURCES   |   |                                    |             |                                  |  |
| <ul> <li>✓ Maps, Plans, Plots or F</li> <li>✓ Data Sheets Prepared,</li> <li>□ Office Concurs with</li> <li>□ Office Does Not Co</li> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> </ul> | /Submitted on beh<br>n delineation<br>ncur with delineat<br>by the Corps<br>r Study | nalf of Applicant                  | Itant: W    | estLand Resources, Inc.          |  |
| $\square$ USGS 8 and 12 dig  | it HUC Map  |                                    |             |                                  |  |
| ✓ US Geological Survey I<br>Silver Reef Mount  |   |                                    | osa Moun    | tains NW 7.5-Minute Quadrangles  |  |
| ☐ USDA Nat'l Res Consei  | vation Service Soi  | l Survey Citation                  | n:          |                                  |  |
| <ul><li>□ National Wetlands Inv</li><li>□ State/Local Wetland In</li><li>□ FEMA/FIR Maps</li></ul>   |   | ite Map Name:                      |             |                                  |  |
| ☐ 100-year Floodplain El   | evation is:   |                                    | (National   | Geodetic Vertical Datum of 1929) |  |
| Aerial Photographs (   | Name and Date):   | BING, Microsoft \                  | √irtual Ear | th 2008                          |  |
| Other Photographs (  | Name and Date):   | Ground Photos; N                   | May 2012    |                                  |  |
| Previous Determination   |   |                                    | Letter:     |                                  |  |
| Applicable/Supporting  |   |                                    |             |                                  |  |
| ☐ Applicable/Supporting  |   | re Citation:                       |             |                                  |  |
| Other Information, Ple   | ease Specify:   |                                    |             |                                  |  |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>     |                    |                                      |             |                |
|---|-------------------|--------------------|--------------------------------------|-------------|----------------|
| A. Report Completion Date for App   | roved Jurisdict   | ional Determinat   | ion: 07/30/2                         | 2012        |                |
| B. District Office and File No: Los   | Angeles Distric   | t, File No. Pendin | g                                    |             |                |
| C. Project Location and Background  | d Information:    | Drainage Featu     | ıre 43A                              |             |                |
| City, County, State Sif Oidak Dis   | strict, Tohono (  | D'odham Nation,    | Pima and Pinal                       | Counties, A | rizona         |
| Center coordinates of site: Lat.  | 32.5073           | Long111            | 9100                                 |             |                |
| Name of nearest waterbody: Un   | named Wash 4      | 3A                 |                                      |             |                |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River b   | petween Powers     | Butte and Gille                      | spie Dam    |                |
| ✓ Map/Diagram of potential juris  | dictional area is | s available on req | uest                                 |             |                |
| D. Review Performed for Site Evalu  | ation:            |                    |                                      |             |                |
| Office Determination. Date:   |                   |                    |                                      |             |                |
| Field Determination. Date: 05/  | 2012              |                    |                                      |             |                |
| SECTION II: SUMMARY OF FINDIN   | GS                |                    |                                      |             |                |
| A. RHA Section 10 Determination   |                   |                    |                                      |             |                |
| There Are No "navigable waters  | s of the U.S." w  | ithin RHA jurisdic | tion in the revi                     | ew area.    |                |
| B. CWA Section 404 Determination  | n of Jurisdictio  | n                  |                                      |             |                |
| There Are No "waters of the   | ne U.S." within   | CWA jurisdiction   | in the review a                      | rea.        |                |
| 1. Waters of the US:  |                   |                    |                                      |             |                |
| Linear Feet   |                   | Width (ft) and/o   | r                                    | Acres       |                |
| Limits of Jurisdiction based on:  |                   |                    |                                      |             |                |
| 2. Non-Regulated Waters/Wet   |                   |                    |                                      |             |                |
| ✓ Potentially jurisdictional wa   |                   |                    |                                      |             | •              |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a    | significant nexus  | with a downstr                       | -           | •              |
| SECTION III: CWA ANALYSIS   |                   |                    |                                      |             |                |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs        |                    |                                      |             |                |
| 1. Identified TNW:  |                   |                    |                                      |             |                |
| Rationale for TNW determinate   | tion:             |                    |                                      |             |                |
| 2. Rationale for conclusion tha   | t any wetlands    | present are "adj   | acent":                              |             |                |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY A     | AND ITS ADJACEN    | T WETLANDS                           |             |                |
| TNW Watershed Size (sq mi):   | 49650             |                    | flow to TNW:                         |             | 4              |
| Drainage Area (sq mi):  | 0.00108           |                    | from tributary                       |             | 30 (or more)   |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 8.5<br>0          |                    | s from tributary<br>s from tributary |             | 30 (or more)   |
| Average Allitual Silowiali (III).   | J                 |                    | s from tributary                     |             | 50 (of filore) |
| ☐ Project waters cross or serv  | ve as state bour  |                    |                                      | -           |                |

Feature ID: 43A

| Identify flow route to TNW:  Unnamed drainages within the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topograph suggests the most likely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila River.  Tributary is: Natural Explain:  Average Width (ft): 9.37  Average Depth (ft): 1  Average Side Slopes: 2:1  Primary tributary substrate composition (check all that apply):  Silts Sands Cobbles Bedrock Gravel Vegetation  Concrete Muck Other, Explain:  Tributary Condition/Stability. Explain: Stable  Presence of Run/Riffle/Pool Complexes. Explain: Not Present  Tributary Geometry: Relatively Straight | eature ID: 43A           |   |
|--|--------------------------|---|
| suggests the most likely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila River.  Tributary is: Natural   | Identify flow route to T | NW:                                     |
| Average Width (ft): 9.37  Average Depth (ft): 1  Average Side Slopes: 2:1  Primary tributary substrate composition (check all that apply):  Silts Sands Cobbles Bedrock Gravel Vegetation  Concrete Muck Other, Explain:  Tributary Condition/Stability. Explain: Stable  Presence of Run/Riffle/Pool Complexes. Explain: Not Present  | suggests the most likely | , |
| Average Depth (ft): 1  Average Side Slopes: 2:1  Primary tributary substrate composition (check all that apply):  Silts Sands Cobbles Bedrock Gravel Vegetation  Concrete Muck Other, Explain:  Tributary Condition/Stability. Explain: Stable  Presence of Run/Riffle/Pool Complexes. Explain: Not Present  | Tributary is: Natural    | Explain:                                |
| Average Side Slopes: 2:1  Primary tributary substrate composition (check all that apply):  ✓ Silts ☐ Sands ☐ Cobbles ☐ Bedrock ✓ Gravel ☐ Vegetation  ☐ Concrete ☐ Muck Other, Explain:  Tributary Condition/Stability. Explain: Stable  Presence of Run/Riffle/Pool Complexes. Explain: Not Present   | Average Width (ft): 9    | 9.37                                    |
| Primary tributary substrate composition (check all that apply):  ✓ Silts ☐ Sands ☐ Cobbles ☐ Bedrock ✓ Gravel ☐ Vegetation  ☐ Concrete ☐ Muck Other, Explain:  Tributary Condition/Stability. Explain: Stable  Presence of Run/Riffle/Pool Complexes. Explain: Not Present   | Average Depth (ft): 1    |   |
| ✓ Silts ☐ Sands ☐ Cobbles ☐ Bedrock ✓ Gravel ☐ Vegetation ☐ Concrete ☐ Muck Other, Explain:  Tributary Condition/Stability. Explain: Stable  Presence of Run/Riffle/Pool Complexes. Explain: Not Present   | Average Side Slopes: 2   | 2:1                                     |
| Presence of Run/Riffle/Pool Complexes. Explain: Not Present  |                          |   |
|  | Tributary Condition/Sta  | ability. Explain: Stable                |
| Tributary Geometry: Relatively Straight  | Presence of Run/Riffle/  | /Pool Complexes. Explain: Not Present   |
| , , ,  | Tributary Geometry:      | Relatively Straight                     |
| Tributary Gradient (approximate average slope): 2%   |                          | provimate average clope): 2%            |

| (c) Flow:                  |                       |                  |             |             |            |                   |
|----------------------------|-----------------------|------------------|-------------|-------------|------------|-------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Eve    | nts per y   | ear:       | 2-5               |
| Describe Flow Regime:      | Ephemeral             | Other Inf        | ormation    | n on Dura   | ation and  | d Volume:         |
| Surface Flow is:           | Confined              | Characte         | ristics:    |             |            |                   |
| Subsurface Flow:           | No                    | Explain:         |             |             |            |                   |
| Tributary Has:             |                       |                  |             |             |            |                   |
| ☐ Bed and Banks            |                       |                  |             |             |            |                   |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |             |             |            |                   |
| ☐ Clear, natural line      | impressed on the bank | $\square$ $\vee$ | egetatio    | n matte     | d down,    | bent or absent    |
| Changes in soil cha        |                       |                  | eaf litter  | disturbe    | d or wa    | shed away         |
| ☐ Shelving                 |                       | □ P              | resence     | of litter a | and debi   | ris               |
| ☐ Sediment deposition      | on                    |                  | estructio   | on of teri  | restrial v | egetation         |
| Sediment sorting           |                       |                  | brupt ch    | ange in p   | olant cor  | nmunity           |
| ☐ Scour                    |                       |                  | /lultiple o | bserved     | or pred    | icted flow events |
| ☐ Presence of wrack        | line                  | □ <b>v</b>       | Vater sta   | ining       |            |                   |
| Other (list):              |                       |                  |             |             |            |                   |
| ☐ Discontinuous? Ex        | xplain:               |                  |             |             |            |                   |
| (iii) Chemical Characteris | stics:                |                  |             |             |            |                   |
| Characterize Tributa       | ry:                   |                  |             |             |            |                   |
| Identify Specific Poll     | utants, if known:     |                  |             |             |            |                   |
| , ,                        | ,                     |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |

| Feature ID: 43A   |      |
|---|------|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |      |
| Riparian Corridor Characteristics:  |      |
| ☐ Wetland Fringe Characteristics:   |      |
| Habitat for:  |      |
| ☐ Federally Listed Species Explain:   |      |
| ☐ Fish/Spawn Areas Explain:   |      |
| Other environmentally -sensitive species Explain:   |      |
| ☐ Aquatic/Wildlife diversity Explain:   |      |
| <ul><li>2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW</li><li>(i) Physical Characteristics:</li></ul>  |      |
| Wetland Size (ac): Wetland Type, Explain:   |      |
| Wetland Quality, Explain:   |      |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |      |
| Wetland Flow is: Explain:   |      |
| Surface Flow is: Characteristics:   |      |
| Subsurface Flow: Explain Findings:  |      |
| <ul> <li>□ Wetland Directly Abutting Non-TNW</li> <li>□ Discrete wetland hydrologic connection Explain:</li> <li>□ Ecological connection Explain:</li> <li>□ Separated by berm/barrier Explain:</li> <li>Project Wetlands: River Miles from TNW:</li> <li>Project Wetlands: Aerial Miles from TNW:</li> <li>Flow is From:</li> <li>Approximate Location of Wetland within Floodplain:</li> </ul> (ii) Chemical Characteristics: |      |
| Characterize Wetland System:  |      |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |      |
|   |      |
| ☐ Riparian Buffer Explain: ☐ Vegetation type/percent cover. Explain:  |      |
| Habitat for:  |      |
| Federally Listed Species Explain:   |      |
| ☐ Fish/Spawn Areas Explain:   |      |
| ☐ Other environmentally-sensitive species Explain:  |      |
| Aquatic/Wildlife Diversity Explain:   |      |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |      |
| All wetland(s) considered in cumulative analysis:   |      |
| Wetland acres in total being considered in cumulative analysis:   |      |
|   | ncl: |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical function  | 15]. |

| . SIGNIFICANT NEXUS DETERMINATION   |  |
|---|--|
| 1. Significant nexus findings for non-RPW that has no adjacent w into TNW. Explain:   | etlands and flows directly or indirectly   |
| This unnamed ephemeral drainage is located more than 100 river between Powers Butte and Gillespie Dam. An analysis of peak yea discharges, in combination with the geomorphology of the Analys downstream manmade impoundment (Tat Momolikot Dam), and possibility of a hydrologic connection between this drainage and t critical habitats were identified within the Analysis Area. Additionadoes not provide lifecycle support functions, nutrients, or organic drainage does not have more than a speculative or insubstantial e biological integrity of the TNW. Therefore, this unnamed ephemernexus with the TNW reach of the Gila River between Powers Butter | rly discharges and potential flood is Area, the presence of a significant the distance to the TNW, suggests that the he TNW is tenuous. No pollutants or ally, this unnamed ephemeral drainage carbon to species within the TNW. This iffect on the physical, chemical, and/or ral drainage does not possess a significant |
| 2. Significant nexus findings for non-RPW and its adjacent wetland or indirectly into TNW. Explain:   | nds, where the non-RPW flows directly  |
| 3. Significant nexus findings for wetlands adjacent to an RPW bu Explain:   | t that do not directly abut the RPW.   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (f  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):   | t), Or, Acres  |
| 3. Non-RPWs that flow directly or indirectly into TNWs.   |  |
| Non-TNW/non-RPW waterbody that flows directly or indirectly with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet):  | y into a TNW and has a signficant nexus  Acres:  |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):   |  |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly   | y abutting RPWs):  |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirect   | ly into TNWs.  |
| $\square$ Wetland adjacent to non-RPWs which, in combination with th  | ne tributary and other adjacent wetlands,  |
| has a significant nexus with the TNW.   |  |
|   |  |
| has a significant nexus with the TNW.   |  |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 43A   |                      |                |               |                                  |      |
|---|----------------------|----------------|---------------|----------------------------------|------|
| As described in Section 3C1 possess a significant nexus v | •                    | •              | meral draina  | ge determined that it did not    |      |
| Explain finding of Other:                                 |                      |                |               |                                  |      |
| ✓ Non-wetland waters                                      | 3202.19 line         | ear feet (ft), | 9.37          | width (ft)                       |      |
| ☐ Other waters  | acr                  | es             |               |                                  |      |
| ☐ Wetlands  | acr                  | es             |               |                                  |      |
| SECTION IV: DATA SOURCES                                  |                      |                |               |                                  |      |
| ✓ Maps, Plans, Plots or Pla                               | it Submitted by      | Applicant/Con  | sultant: W    | estLand Resources, Inc.          |      |
| ✓ Data Sheets Prepared/S                                  | ubmitted on behal    | f of Applicant |               |                                  |      |
| ☐ Office Concurs with o                                   | delineation          |                |               |                                  |      |
| ☐ Office Does Not Cond                                    | cur with delineatio  | n              |               |                                  |      |
| ☐ Data Sheets Prepared by                                 | the Corps            |                |               |                                  |      |
| ☐ Corps Navigable Water S                                 | Study                |                |               |                                  |      |
| $\square$ US Geological Survey Hy                         | drologic Atlas       |                |               |                                  |      |
| USGS NHD Data   |                      |                |               |                                  |      |
| ☐ USGS 8 and 12 digit                                     | HUC Map              |                |               |                                  |      |
| ✓ US Geological Survey Ma                                 | an(s) Scale and O    | uad Namo:      |               |                                  |      |
|   |                      |                | Rosa Mount    | tains NW 7.5-Minute Quadran      | σles |
| Jiiver Neer Wourtean                                      | 13 3L, NOITH ROTTE   | iik, ana Janta | NOSA IVIOAITI | tams 1444 7.5 Ivilliate Quadrang | ысэ  |
| USDA Nat'l Res Conserva                                   |                      | urvey Citat    | ion:          |                                  |      |
| National Wetlands Inver                                   |                      | Map Name:      |               |                                  |      |
| ☐ State/Local Wetland Inv                                 | entory Maps          |                |               |                                  |      |
| ☐ FEMA/FIR Maps   |                      |                |               |                                  |      |
| ☐ 100-year Floodplain Elev                                |                      |                | •             | Geodetic Vertical Datum of 19    | 929) |
| ✓ Aerial Photographs (Na                                  |                      | •              |               | th 2008                          |      |
| ✓ Other Photographs (Na                                   | •                    |                |               |                                  |      |
| Previous Determinations                                   |                      |                | se Letter:    |                                  |      |
| ☐ Applicable/Supporting C                                 |                      |                |               |                                  |      |
| Applicable/Supporting S                                   | cientific Literature | Citation:      |               |                                  |      |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>    |                         |  |                       |
|---|------------------|-------------------------|--|-----------------------|
| A. Report Completion Date for App   | roved Jurisdic   | tional Determination:   | 07/30/2012                                 |                       |
| B. District Office and File No: Los   | Angeles Distric  | ct, File No. Pending    |  |                       |
| C. Project Location and Background  | d Information:   | Drainage Feature 4      | 3A1  |                       |
| City, County, State Sif Oidak Dis   | strict, Tohono   | O'odham Nation, Pima    | and Pinal Counties,                        | Arizona               |
| Center coordinates of site: Lat.  | 32.5073          | Long111.910             | 0  |                       |
| Name of nearest waterbody: Uni  | named Wash 4     | 3A1                     |  |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                  | V: Gila River    | between Powers Butte    | e and Gillespie Dam                        |                       |
| ✓ Map/Diagram of potential jurise   | dictional area i | s available on request  |  |                       |
| D. Review Performed for Site Evalu  | ation:           |                         |  |                       |
| Office Determination. Date:   |                  |                         |  |                       |
| Field Determination. Date: 05/2   | 2012             |                         |  |                       |
| SECTION II: SUMMARY OF FINDING  | GS               |                         |  |                       |
| A. RHA Section 10 Determination   |                  |                         |  |                       |
| There Are No "navigable waters  | of the U.S." w   | vithin RHA jurisdiction | in the review area.                        |                       |
| B. CWA Section 404 Determination  | n of Jurisdictio | on                      |  |                       |
| There Are No "waters of the   | ie U.S." within  | CWA jurisdiction in the | e review area.                             |                       |
| 1. Waters of the US:  |                  |                         |  |                       |
| Linear Feet   |                  | Width (ft) and/or       | Acres                                      |                       |
| Limits of Jurisdiction based on:  |                  |                         |  |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                  | etlands were assessed   | and determined not                         | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne   | it possessed a   | significant nexus with  |  | •                     |
| SECTION III: CWA ANALYSIS   |                  |                         |  |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs       |                         |  |                       |
| 1. Identified TNW:  |                  |                         |  |                       |
| Rationale for TNW determinat  | ion:             |                         |  |                       |
| 2. Rationale for conclusion tha   | t any wetlands   | s present are "adjacen  | t":  |                       |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY      | AND ITS ADJACENT WE     | TLANDS                                     |                       |
| TNW Watershed Size (sq mi):   | 49650            | Tributaries flow        |  | 4                     |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                  | 0.00016<br>8.5   |                         | n tributary to TNW:<br>n tributary to RPW: | 30 (or more)          |
| Average Annual Snowfall (in):   | 0                |                         | n tributary to TNW:                        | 30 (or more)          |
|   |                  |                         | n tributary to RPW:                        | ,                     |
| ☐ Project waters cross or serv  | e as state bou   | ndaries. Explain:       |  |                       |

Feature ID: 43A1

| Identify flow route to                 | TNW:     |  |  |
|--|----------|--|--|
| _                                      |          | •                                      | ultimately tributary to the Santa Rosa Wash. Topography Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural                  | Expla    | n:                                     |  |
| Average Width (ft):                    | 6.33     |  |  |
| Average Depth (ft):                    | 1        |  |  |
| Average Side Slopes:                   | 2:1      |  |  |
|  |          |  |  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M         | ☐ Cobble | es 🗆 Bedro                             | ock 🗹 Gravel 🗆 Vegetation  |
|  | uck Othe | er, Explain:                           | ock ☑ Gravel ☐ Vegetation  |
| ☐ Concrete ☐ M                         | uck Otho | er, Explain:<br>in: Stable             | ock ✓ Gravel □ Vegetation  Not Present   |
| ☐ Concrete ☐ M  Tributary Condition/St | uck Otho | er, Explain: in: Stable exes. Explain: |  |

| (c) Flow:                  |                       |             |           |             |           |                  |  |
|----------------------------|-----------------------|-------------|-----------|-------------|-----------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average F   | low Eve   | ents per y  | ear:      | 2-5              |  |
| Describe Flow Regime:      | Ephemeral             | Other Info  | ormatio   | n on Dura   | ation and | l Volume:        |  |
| Surface Flow is:           | Confined              | Character   | ristics:  |             |           |                  |  |
| Subsurface Flow:           | No                    | Explain:    |           |             |           |                  |  |
| Tributary Has:             |                       |             |           |             |           |                  |  |
| ☐ Bed and Banks            |                       |             |           |             |           |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:             |             |           |             |           |                  |  |
|                            | impressed on the bank | □v          | egetatio  | on matted   | d down, l | pent or absent   |  |
| Changes in soil changes    | •                     |             | _         |             |           | shed away        |  |
| ☐ Shelving                 |                       | □ P         | resence   | of litter a | and debr  | is               |  |
| ☐ Sediment deposition      | on                    | <b>✓</b> D  | estructi  | ion of teri | estrial v | egetation        |  |
| Sediment sorting           |                       | $\square$ A | brupt cl  | hange in p  | olant con | nmunity          |  |
| ☐ Scour                    |                       | $\square$ N | 1ultiple  | observed    | or predi  | cted flow events |  |
| ☐ Presence of wrack        | line                  | □ W         | /ater sta | aining      |           |                  |  |
| Other (list):              |                       |             |           |             |           |                  |  |
| ☐ Discontinuous? Ex        | kplain:               |             |           |             |           |                  |  |
| (iii) Chemical Characteris | etics:                |             |           |             |           |                  |  |
| Characterize Tributa       |                       |             |           |             |           |                  |  |
| Identify Specific Poll     | •                     |             |           |             |           |                  |  |
| activity openite toll      | acarres, ii kilowili  |             |           |             |           |                  |  |
|                            |                       |             |           |             |           |                  |  |
|                            |                       |             |           |             |           |                  |  |
|                            |                       |             |           |             |           |                  |  |

| Feature ID: 43A1               |   |
|--------------------------------|---|
| (iv) Biological Characteristi  | cs. Channel supports (check all that apply):  |
| Riparian Corridor C            | haracteristics:   |
| ☐ Wetland Fringe Cha           | racteristics:   |
| Habitat for:                   |   |
| ☐ Federally Listed Spec        | cies Explain:   |
| ☐ Fish/Spawn Areas             | Explain:  |
|                                | ally -sensitive species Explain:  |
| ☐ Aquatic/Wildlife dive        | ersity Explain:   |
| 2. Characteristics of wetlan   | nds adjacent to non-TNW that flow directly or indirectly into TNW                               |
| (i) Physical Characteristics:  |   |
| Wetland Size (ac):             | Wetland Type, Explain:  |
| Wetland Quality, Expla         | in:   |
| •                              | s or Serve as State Boundaries, Explain:  |
| Wetland Flow is:               | Explain:  |
| Surface Flow is:               | Characteristics:  |
| Subsurface Flow:               | Explain Findings:   |
| ☐ Wetland Directly Ab          | utting Non-TNW  |
| ☐ Wetland Not Directle         | y Abutting Non-TNW  |
| ☐ Discrete wetland             | hydrologic connection Explain:  |
| ☐ Ecologcal connect            |   |
| Separated by beri              |   |
| Project Wetlands: Rive         |   |
| Project Wetlands: Aeria        | al Miles from TNW:  |
| Flow is From:                  |   |
|                                | of Wetland within Floodplain:   |
| (ii) Chemical Characteristics  | 5:  |
| Characterize Wetland S         | System:   |
| (iii) Biological Characteristi | cs. Wetland supports (check all that apply):  |
| ☐ Riparian Buffer Ex           | plain:  |
| ☐ Vegetation type/pe           | ercent cover. Explain:  |
| Habitat for:                   |   |
| ☐ Federally Listed S           | pecies Explain:   |
| ☐ Fish/Spawn Areas             |   |
|                                | ntally-sensitive species Explain:   |
| ☐ Aquatic/Wildlife [           | Diversity Explain:  |
| 3. Characteristics of all we   | tlands adjacent to the non-TNW tributary (if any)   |
| All wetland(s) consider        | ed in cumulative analysis:  |
| Wetland acres in total         | being considered in cumulative analysis:  |
| Describe each wetland          | (directly abuts tributary?; size in acres; overall biological, chemical or physical functions): |
|                                |   |
|                                |   |

| SIGNIFICANT NEXUS DETERMINA  | ATION  |
|--|--|
| 1. Significant nexus findings for into TNW. Explain:   | non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gille discharges, in combination with downstream manmade impound possibility of a hydrologic connectical habitats were identified with does not provide lifecycle supportainage does not have more the biological integrity of the TNW. The nexus with the TNW reach of the   | ge is located more than 100 river miles from the nearest TNW, the Gila River spie Dam. An analysis of peak yearly discharges and potential flood the geomorphology of the Analysis Area, the presence of a significant dment (Tat Momolikot Dam), and the distance to the TNW, suggests that the ction between this drainage and the TNW is tenuous. No pollutants or within the Analysis Area. Additionally, this unnamed ephemeral drainage rt functions, nutrients, or organic carbon to species within the TNW. This can a speculative or insubstantial effect on the physical, chemical, and/or Therefore, this unnamed ephemeral drainage does not possess a significant to Gila River between Powers Butte and Gillespie Dam. |
| or indirectly into TNW. Explain:   | ·  |
| 2 Cianificant navus findings for   | wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| Explain: DETERMINATIONS OF JURISDIC  | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetlands  TNWs: Linear  Wetlands adjacent to TNWs   | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  s r Feet Width (ft), Or, Acres : Acres   |
| Explain:  DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetlands  TNWs:  Linear   | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  Feet Width (ft), Or, Acres  Acres  Vs):  |
| Explain:  DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetlands  TNWs: Linear  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly  | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  Feet Width (ft), Or, Acres  Acres  Vs):  or indirectly into TNWs.  ody that flows directly or indirectly into a TNW and has a signficant nexus   |
| Explain:  DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetlands  TNWs: Linear  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly  Non-TNW/non-RPW waterbowith a TNW, and is therfore j  | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  S  T Feet  |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetlands  TNWs: Linear  Wetlands adjacent to TNWs Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly  Non-TNW/non-RPW waterbowith a TNW, and is therfore jurisdiction in the section III D 4 (Webster in the section III D 4 ( | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  S  T Feet  |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetlands  TNWs: Linear  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly  Non-TNW/non-RPW waterbowith a TNW, and is therfore juring Length (Linear Feet):  Reserved for Section III D 4 (We Reserved for Section III D 5 (We  | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  S  T Feet  |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetlands  TNWs: Linear  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly  Non-TNW/non-RPW waterbowith a TNW, and is therfore juring Length (Linear Feet):  Reserved for Section III D 4 (We Reserved for Section III D 5 (We 6. Wetlands adjacent to non-RI   | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  The Feet   |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetlands  TNWs: Linear  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly  Non-TNW/non-RPW waterbowith a TNW, and is therfore juring Length (Linear Feet):  Reserved for Section III D 4 (We Reserved for Section III D 5 (We 6. Wetlands adjacent to non-RP   | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  The Feet   |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetlands  TNWs: Linear  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly  Non-TNW/non-RPW waterbowith a TNW, and is therfore juring Length (Linear Feet):  Reserved for Section III D 4 (Wetlands adjacent to non-RPM)  Wetlands adjacent to non-RPM has a significant nexus with the second section in the sec | TIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  The feet   |

# Length (linear feet): Acres: F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

## Feature ID: 43A1 As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 714.93 linear feet (ft), 6.33 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ✓ Other Photographs (Name and Date): Ground Photos; May 2012 Previous Determinations File No. and Date of Response Letter: ☐ Applicable/Supporting Case Law Citation:

Applicable/Supporting Scientific Literature Citation:

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>1ATION</u>         |  |                |                       |
|---|-----------------------|--|----------------|-----------------------|
| A. Report Completion Date for App   | proved Jurisdictional | Determination: 07/30                                   | /2012          |                       |
| B. District Office and File No: Los   |                       |  |                |                       |
| C. Project Location and Background  | d Information: Dra    | ainage Feature 43B                                     |                |                       |
| City, County, State Sif Oidak Dis   | strict, Tohono O'odh  | am Nation, Pima and Pin                                | al Counties, A | Arizona               |
| Center coordinates of site: Lat.  | 32.5073               | Long111.9100   |                |                       |
| Name of nearest waterbody: Un   | named Wash 43B        |  |                |                       |
| Name of nearest downstream TN\  | N: Gila River betwe   | een Powers Butte and Gil                               | lespie Dam     |                       |
| HUC Code: 15050306  |                       |  |                |                       |
| ✓ Map/Diagram of potential juris  | dictional area is ava | lable on request                                       |                |                       |
| D. Review Performed for Site Evalu  | lation:               |  |                |                       |
| Office Determination. Date:   |                       |  |                |                       |
| Field Determination. Date: 05/  | 2012                  |  |                |                       |
| SECTION II: SUMMARY OF FINDIN   | <u>GS</u>             |  |                |                       |
| A. RHA Section 10 Determination   | of Jurisdiction       |  |                |                       |
| There Are No "navigable waters  | of the U.S." within   | RHA jurisdiction in the re                             | view area.     |                       |
| B. CWA Section 404 Determination  | on of Jurisdiction    |  |                |                       |
| There Are No "waters of the   | ne U.S." within CWA   | jurisdiction in the review                             | area.          |                       |
| 1. Waters of the US:  |                       |  |                |                       |
| Linear Feet   | Wid                   | th (ft) and/or   | Acres          |                       |
| Limits of Jurisdiction based on:  |                       |  |                |                       |
| 2. Non-Regulated Waters/Wet   | lands:                |  |                |                       |
| ✓ Potentially jurisdictional was  |                       | ds were assessed and det                               | ermined not    | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a signif | icant nexus with a downs                               |                |                       |
| SECTION III: CWA ANALYSIS   |                       |  |                |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs            |  |                |                       |
| 1. Identified TNW:  |                       |  |                |                       |
| Rationale for TNW determinat  | ion:                  |  |                |                       |
| 2. Rationale for conclusion tha   | t any wetlands pres   | ent are "adjacent":                                    |                |                       |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY AND I     | TS ADJACENT WETLANDS                                   |                |                       |
| TNW Watershed Size (sq mi):   | 49650                 | Tributaries flow to TNW                                |                | 4                     |
| Drainage Area (sq mi):  | 0.00056               | River Miles from tributa                               | •              | 30 (or more)          |
| Average Annual Rainfall (in):   | 8.5                   | River Miles from tributa                               | •              | 20 (00                |
| Average Annual Snowfall (in):   | 0                     | Aerial Miles from tributa<br>Aerial Miles from tributa | •              | 30 (or more)          |
| ☐ Project waters cross or serv  | ve as state boundari  |  | •              |                       |

Feature ID: 43B

| •  |  | the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topog<br>Ite of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gi |  |
|--|--|---|--|
| Tributary is: Natural  |  | Explain:  |  |
| Average Width (ft):  | 7.38   |   |  |
| Average Depth (ft):  | 1  |   |  |
|  |  |   |  |
| Primary tributary sub  | strate (   | composition (check all that apply):   |  |
| ✓ Silts ☐ Sands  | strate (   | composition (check all that apply):  Cobbles □ Bedrock ✔ Gravel □ Vegetation  Other, Explain:   |  |
| rimary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N                         | ostrate o  | Cobbles ☐ Bedrock ✔ Gravel ☐ Vegetation  Other, Explain:  |  |
| rimary tributary sub Silts Sands Concrete N ributary Condition/S             | ostrate of the state of the sta | Cobbles ☐ Bedrock ✔ Gravel ☐ Vegetation  Other, Explain:  |  |
| Primary tributary sub  ✓ Silts □ Sands □ Concrete □ N  ─ributary Condition/S | ostrate of the state of the sta | Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  Other, Explain:  y. Explain: Stable  |  |

| (c) Flow:                     |                       |            |             |             |           |                   |  |
|-------------------------------|-----------------------|------------|-------------|-------------|-----------|-------------------|--|
| Tributary Provides for:       | Ephemeral Flow        | Average    | Flow Eve    | nts per ye  | ear:      | 2-5               |  |
| Describe Flow Regime:         | Ephemeral             | Other Inf  | ormation    | n on Dura   | tion and  | d Volume:         |  |
| Surface Flow is:              | Confined              | Characte   | ristics:    |             |           |                   |  |
| Subsurface Flow:              | No                    | Explain:   |             |             |           |                   |  |
| Tributary Has:                |                       |            |             |             |           |                   |  |
| ☐ Bed and Banks               |                       |            |             |             |           |                   |  |
| ✓ OHWM: OHWM Inc              | dicators:             |            |             |             |           |                   |  |
| $\square$ Clear, natural line | impressed on the bank | □ \        | egetatio    | n matted    | down,     | bent or absent    |  |
| Changes in soil cha           | aracter               |            | eaf litter  | disturbed   | d or was  | shed away         |  |
| ☐ Shelving                    |                       | □ P        | resence     | of litter a | nd debr   | ris               |  |
| ☐ Sediment deposition         | on                    | <b>~</b> [ | estructio   | on of terre | estrial v | egetation         |  |
| Sediment sorting              |                       |            | brupt ch    | ange in p   | lant cor  | mmunity           |  |
| ☐ Scour                       |                       |            | /lultiple c | bserved (   | or pred   | icted flow events |  |
| ☐ Presence of wrack           | line                  | □ <b>v</b> | Vater sta   | ining       |           |                   |  |
| Other (list):                 |                       |            |             |             |           |                   |  |
| ☐ Discontinuous? Ex           | kplain:               |            |             |             |           |                   |  |
| (iii) Chemical Characteris    | itics:                |            |             |             |           |                   |  |
| Characterize Tributa          |                       |            |             |             |           |                   |  |
| Identify Specific Poll        | •                     |            |             |             |           |                   |  |
| i anni, apasino i an          |                       |            |             |             |           |                   |  |
|                               |                       |            |             |             |           |                   |  |
|                               |                       |            |             |             |           |                   |  |
|                               |                       |            |             |             |           |                   |  |

| iv) Biological Characterist   | ics. Channel supports (check all that apply):  |
|---|--|
| ☐ Riparian Corridor(  | Characteristics:   |
| ☐ Wetland Fringe Ch   | aracteristics:   |
| Habitat for:  |  |
| ☐ Federally Listed Spe  | ecies Explain:   |
| ☐ Fish/Spawn Areas  | Explain:   |
| · •   | ally -sensitive species Explain:   |
| ☐ Aquatic/Wildlife div  | versity Explain:   |
|   | and the second second transfer of the second |
| <ol><li>Characteristics of wetla<br/>(i) Physical Characteristics</li></ol>               | ands adjacent to non-TNW that flow directly or indirectly into TNW :   |
| Wetland Size (ac):  | Wetland Type, Explain:   |
| Wetland Quality, Expla  | ain:   |
| Project Wetlands Cros   | ss or Serve as State Boundaries, Explain:  |
| Wetland Flow is:  | Explain:   |
| Surface Flow is:  | Characteristics:   |
| Subsurface Flow:  | Explain Findings:  |
| ☐ Wetland Directly Ab   | outting Non-TNW  |
| ☐ Wetland Not Direct  |  |
|   | hydrologic connection Explain:   |
| ☐ Ecologcal connec  |  |
| ☐ Separated by ber  | rm/barrier Explain:  |
| Project Wetlands: Rive  | er Miles from TNW:   |
| Project Wetlands: Aer   | ial Miles from TNW:  |
| Flow is From:   |  |
| Approximate Location  | of Wetland within Floodplain:  |
| ii) Chemical Characteristic   | CS:  |
| Characterize Wetland  |  |
|   |  |
| -   | cics. Wetland supports (check all that apply):   |
| Riparian Buffer E   |  |
|   | ercent cover. Explain:   |
| Habitat for:  |  |
| ☐ Federally Listed S  |  |
| I   Eich/Snawn Aroa   | s Explain:   |
| • •   | entally-sensitive species Explain:   |
| ☐ Other environme   | ·  |
| • •   | ·  |
| ☐ Other environme☐ Aquatic/Wildlife   | ·  |
| ☐ Other environme☐ Aquatic/Wildlife  3. Characteristics of all we                         | Diversity Explain:   |
| ☐ Other environme ☐ Aquatic/Wildlife  3. Characteristics of all we All wetland(s) conside | Diversity Explain: etlands adjacent to the non-TNW tributary (if any)  |

| . SIGNIFICANT NEXUS DETERMINAT   | ION  |
|--|--|
| 1. Significant nexus findings for no into TNW. Explain:  | n-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gillespi discharges, in combination with the downstream manmade impoundments possibility of a hydrologic connection critical habitats were identified with does not provide lifecycle support for drainage does not have more than biological integrity of the TNW. The   | is located more than 100 river miles from the nearest TNW, the Gila River to Dam. An analysis of peak yearly discharges and potential flood a geomorphology of the Analysis Area, the presence of a significant ent (Tat Momolikot Dam), and the distance to the TNW, suggests that the conbetween this drainage and the TNW is tenuous. No pollutants or hin the Analysis Area. Additionally, this unnamed ephemeral drainage functions, nutrients, or organic carbon to species within the TNW. This a speculative or insubstantial effect on the physical, chemical, and/or erefore, this unnamed ephemeral drainage does not possess a significant ila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for no or indirectly into TNW. Explain:  | n-RPW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for we Explain:  | etlands adjacent to an RPW but that do not directly abut the RPW.  |
|  |  |
|  |  |
|  | DNAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| 1. TNWs and Adjacent Wetlands  | ONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
|  | _  |
| 1. TNWs and Adjacent Wetlands  |  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe   | eet Width (ft), Or, Acres  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe  Wetlands adjacent to TNWs:   | eet Width (ft), Or, Acres Acres  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs)  3. Non-RPWs that flow directly or   | Acres  Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs)  3. Non-RPWs that flow directly or Non-TNW/non-RPW waterbody   | Acres  Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs)  3. Non-RPWs that flow directly or Non-TNW/non-RPW waterbody with a TNW, and is therfore juri  | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet):  Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs)  3. Non-RPWs that flow directly or Non-TNW/non-RPW waterbody with a TNW, and is therfore juri Length (Linear Feet): Reserved for Section III D 4 (Wetlands)  | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet):  Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs)  3. Non-RPWs that flow directly or Non-TNW/non-RPW waterbody with a TNW, and is therfore jurit Length (Linear Feet): Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wet | Acres  Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet):  Acres:  ands directly abutting RPWs):   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs)  3. Non-RPWs that flow directly or Non-TNW/non-RPW waterbody with a TNW, and is therfore juri Length (Linear Feet): Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands adjacent to non-RPW)   | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet):  Acres:  Inds directly abutting RPWs):  Inds adjacent to but not directly abutting RPWs):  Is that flow directly or indirectly into TNWs.  Is which, in combination with the tributary and other adjacent wetlands,   |
| 1. TNWs and Adjacent Wetlands  TNWs: Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs)  3. Non-RPWs that flow directly or Non-TNW/non-RPW waterbody with a TNW, and is therfore jurit Length (Linear Feet): Reserved for Section III D 4 (Wetlands adjacent to non-RPWs) Wetlands adjacent to non-RPWs  | Acres  Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet):  Acres:  Inds directly abutting RPWs):  Inds adjacent to but not directly abutting RPWs):  Is that flow directly or indirectly into TNWs.  So which, in combination with the tributary and other adjacent wetlands, a TNW.   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs)  3. Non-RPWs that flow directly or Non-TNW/non-RPW waterbody with a TNW, and is therfore juri Length (Linear Feet): Reserved for Section III D 4 (Wetlands adjacent to non-RPWs has a significant nexus with the   | Acres  indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet):  Acres:  Inds directly abutting RPWs):  Inds adjacent to but not directly abutting RPWs):  Is that flow directly or indirectly into TNWs.  Is which, in combination with the tributary and other adjacent wetlands, a TNW.  Wetland (in acres):   |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 43B   |                     |                   |               |                           |            |
|---|---------------------|-------------------|---------------|---------------------------|------------|
| As described in Section 3C1 possess a significant nexus |                     | •                 | neral draina  | ge determined that it did | d not      |
| Explain finding of Other:                               |                     |                   |               |                           |            |
| ✓ Non-wetland waters                                    | 2129.79 l           | inear feet (ft),  | 7.38          | width (ft)                |            |
| Other waters  |                     | acres             |               |                           |            |
| ☐ Wetlands  | 6                   | acres             |               |                           |            |
| SECTION IV: DATA SOURCES                                |                     |                   |               |                           |            |
| ✓ Maps, Plans, Plots or Plans                           | at Submitted by     | Applicant/Cons    | sultant: W    | estLand Resources, Inc.   |            |
| ✓ Data Sheets Prepared/S                                | Submitted on bel    | nalf of Applicant |               |                           |            |
| Office Concurs with                                     |                     |                   |               |                           |            |
| ☐ Office Does Not Con                                   | cur with delinea    | tion              |               |                           |            |
| Data Sheets Prepared b                                  | •                   |                   |               |                           |            |
| Corps Navigable Water                                   | •                   |                   |               |                           |            |
| ☐ US Geological Survey Hy                               | ydrologic Atlas     |                   |               |                           |            |
| USGS NHD Data   |                     |                   |               |                           |            |
| ☐ USGS 8 and 12 digit                                   | HUC Map             |                   |               |                           |            |
| ✓ US Geological Survey M                                | ap(s) Scale and     | l Quad Name:      |               |                           |            |
| Silver Reef Mountai                                     | ins SE, North Kor   | nelik, and Santa  | Rosa Mount    | tains NW 7.5-Minute Qua   | adrangles  |
| ☐ USDA Nat'l Res Conserv                                | ation Service So    | I Survey Citati   | on:           |                           |            |
| ☐ National Wetlands Inve                                |                     | Cite Map Name:    |               |                           |            |
| ☐ State/Local Wetland Inv                               |                     | •                 |               |                           |            |
| ☐ FEMA/FIR Maps   |                     |                   |               |                           |            |
| $\square$ 100-year Floodplain Ele                       | vation is:          |                   | (National     | Geodetic Vertical Datum   | n of 1929) |
| Aerial Photographs (N                                   | lame and Date):     | BING, Microsof    | t Virtual Ear | th 2008                   |            |
| ✓ Other Photographs (N                                  | ame and Date):      | Ground Photos;    | May 2012      |                           |            |
| Previous Determination                                  |                     | Date of Respons   | e Letter:     |                           |            |
| Applicable/Supporting (                                 |                     |                   |               |                           |            |
| ☐ Applicable/Supporting S                               | Scientific Literatu | ire Citation:     |               |                           |            |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>     |                      |                               |              |                       |
|---|-------------------|----------------------|-------------------------------|--------------|-----------------------|
| A. Report Completion Date for App   | oroved Jurisdic   | tional Determinat    | ion: 07/30/2                  | 2012         |                       |
| B. District Office and File No: Los   | Angeles Distric   | ct, File No. Pending | g                             |              |                       |
| C. Project Location and Background  | d Information:    | Drainage Featu       | ire 44                        |              |                       |
| City, County, State Sif Oidak Dis   | strict, Tohono    | O'odham Nation, I    | Pima and Pinal                | Counties, A  | Arizona               |
| Center coordinates of site: Lat.  | 32.5073           | Long111              | .9100                         |              |                       |
| Name of nearest waterbody: Un   | named Wash 4      | 14                   |                               |              |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River     | between Powers I     | Butte and Gille               | spie Dam     |                       |
| ✓ Map/Diagram of potential juris  | dictional area    | is available on req  | uest                          |              |                       |
| D. Review Performed for Site Evalu  | ation:            |                      |                               |              |                       |
| Office Determination. Date:   |                   |                      |                               |              |                       |
| Field Determination. Date: 05/2   | 2012              |                      |                               |              |                       |
| SECTION II: SUMMARY OF FINDING  | GS                |                      |                               |              |                       |
| A. RHA Section 10 Determination   |                   |                      |                               |              |                       |
| There Are No "navigable waters  | s of the U.S." v  | vithin RHA jurisdic  | tion in the revi              | iew area.    |                       |
| B. CWA Section 404 Determination  | n of Jurisdiction | on                   |                               |              |                       |
| There Are No "waters of the   | ne U.S." within   | CWA jurisdiction     | in the review a               | irea.        |                       |
| 1. Waters of the US:  |                   |                      |                               |              |                       |
| Linear Feet   |                   | Width (ft) and/o     | r                             | Acres        |                       |
| Limits of Jurisdiction based on:  |                   |                      |                               |              |                       |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa                        |                   | etlands were asse    | ssed and deter                | rmined not t | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a    | significant nexus    | with a downsti                | •            | •                     |
| SECTION III: CWA ANALYSIS   |                   |                      |                               |              |                       |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs       |                      |                               |              |                       |
| 1. Identified TNW:  |                   |                      |                               |              |                       |
| Rationale for TNW determinat  | ion:              |                      |                               |              |                       |
| 2. Rationale for conclusion tha   | t any wetland     | s present are "adja  | acent":                       |              |                       |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY       | AND ITS ADJACEN      | T WETLANDS                    |              |                       |
| TNW Watershed Size (sq mi):   | 49650             |                      | flow to TNW:                  |              | 4                     |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                | 0.00037<br>8.5    |                      | from tributary from tributary |              | 30 (or more)          |
| Average Annual Snowfall (in):   | 0.5               |                      | s from tributary              |              | 30 (or more)          |
| 3   |                   |                      | s from tributar               | •            |                       |
| ☐ Project waters cross or serv  | ve as state bou   | ndaries. Explair     | ղ:                            |              |                       |

Feature ID: 44

| Identify flow route to<br>Unnamed drainages<br>suggests the most lik<br>River. | within t                          | •                                 |   |              |             | losa Wash. Topography<br>uz Wash to the Gila |
|--|-----------------------------------|-----------------------------------|---|--------------|-------------|--|
| Tributary is: Natural  |                                   | Explain:                          |   |              |             |  |
| Average Width (ft):  | 10.21                             |                                   |   |              |             |  |
| Average Depth (ft):  | 1                                 |                                   |   |              |             |  |
|  |                                   |                                   |   |              |             |  |
| Average Side Slopes:<br>Primary tributary sub                                  |                                   | compositio                        | n (check all                            | that apply): |             |  |
| Primary tributary sub  | strate                            | compositio<br>Cobbles<br>Other, E | Bedro                                   |              | □ Vegetatio | n  |
| Primary tributary sub  | ostrate<br>S                      | Cobbles Other, E                  | Bedro                                   |              | □ Vegetatio | n  |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/              | ostrate  Muck Stability           | Cobbles Other, E                  | ☐ Bedro                                 |              | □ Vegetatio | n  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                          | ostrate  Muck  Stability  Je/Pool | Cobbles Other, E                  | ☐ Bedro  Explain:  Stable  St. Explain: | ck ☑ Gravel  | □ Vegetatio | n  |

| (c) Flow:                  |                       |                  |                  |             |            |                   |
|----------------------------|-----------------------|------------------|------------------|-------------|------------|-------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Eve         | nts per y   | ear:       | 2-5               |
| Describe Flow Regime:      | Ephemeral             | Other Inf        | ormation         | n on Dura   | ation and  | d Volume:         |
| Surface Flow is:           | Confined              | Characte         | Characteristics: |             |            |                   |
| Subsurface Flow:           | No                    | Explain:         |                  |             |            |                   |
| Tributary Has:             |                       |                  |                  |             |            |                   |
| ☐ Bed and Banks            |                       |                  |                  |             |            |                   |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |                  |             |            |                   |
| ☐ Clear, natural line      | impressed on the bank | $\square$ $\vee$ | egetatio         | n matte     | d down,    | bent or absent    |
| Changes in soil cha        |                       |                  | eaf litter       | disturbe    | d or wa    | shed away         |
| ☐ Shelving                 |                       | □ P              | resence          | of litter a | and debi   | ris               |
| ☐ Sediment deposition      | on                    |                  | estructio        | on of teri  | restrial v | egetation         |
| Sediment sorting           |                       |                  | brupt ch         | ange in p   | olant cor  | nmunity           |
| ☐ Scour                    |                       |                  | /lultiple o      | bserved     | or pred    | icted flow events |
| ☐ Presence of wrack        | line                  | □ <b>v</b>       | Vater sta        | ining       |            |                   |
| Other (list):              |                       |                  |                  |             |            |                   |
| ☐ Discontinuous? Ex        | xplain:               |                  |                  |             |            |                   |
| (iii) Chemical Characteris | stics:                |                  |                  |             |            |                   |
| Characterize Tributa       | ry:                   |                  |                  |             |            |                   |
| Identify Specific Poll     | utants, if known:     |                  |                  |             |            |                   |
| , ,                        | ,                     |                  |                  |             |            |                   |
|                            |                       |                  |                  |             |            |                   |
|                            |                       |                  |                  |             |            |                   |
|                            |                       |                  |                  |             |            |                   |

| (iv) Biological Characteristics. Channel supports (check all that apply):  Riparian Corridor Characteristics: |            |
|---|------------|
| Riparian Corridor Characteristics:  |            |
|   |            |
| ☐ Wetland Fringe Characteristics:   |            |
| Habitat for:  |            |
| ☐ Federally Listed Species Explain:   |            |
| ☐ Fish/Spawn Areas Explain:   |            |
| ☐ Other environmentally -sensitive species Explain:   |            |
| ☐ Aquatic/Wildlife diversity Explain:   |            |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                  |            |
| i) Physical Characteristics:  |            |
| Wetland Size (ac): Wetland Type, Explain:   |            |
| Wetland Quality, Explain:   |            |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |            |
| Wetland Flow is: Explain:   |            |
| Surface Flow is: Characteristics:   |            |
| Subsurface Flow: Explain Findings:  |            |
| ☐ Wetland Directly Abutting Non-TNW   |            |
| ☐ Wetland Not Directly Abutting Non-TNW   |            |
| ☐ Discrete wetland hydrologic connection Explain:   |            |
| ☐ Ecological connection Explain:  |            |
| ☐ Separated by berm/barrier Explain:  |            |
| Project Wetlands: River Miles from TNW:   |            |
| Project Wetlands: Aerial Miles from TNW:  |            |
| Flow is From:   |            |
| Approximate Location of Wetland within Floodplain:  |            |
| i) Chemical Characteristics:  |            |
| Characterize Wetland System:  |            |
|   |            |
| ii) Biological Characteristics. Wetland supports (check all that apply):                                      |            |
| Riparian Buffer Explain:  |            |
| ☐ Vegetation type/percent cover. Explain:   |            |
| Habitat for:  |            |
| ☐ Federally Listed Species Explain:   |            |
| ☐ Fish/Spawn Areas Explain:   |            |
| Other environmentally-sensitive species Explain:  |            |
| ☐ Aquatic/Wildlife Diversity Explain:   |            |
| . Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                  |            |
| All wetland(s) considered in cumulative analysis:   |            |
| Wetland acres in total being considered in cumulative analysis:   |            |
|   | inctions): |

| SIGNIFICANT NEXUS DETERMINATION  |  |
|--|--|
| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirinto TNW. Explain:  | ectly  |
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Continuous Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drain does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a signexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. | nt<br>that the<br>or<br>nage<br>. This<br>d/or |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly into TNW. Explain:   | ectly  |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPN Explain:   | N.   |
| DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |  |
| 1. TNWs and Adjacent Wetlands  |  |
| <ul><li>☐ TNWs: Linear Feet Width (ft), Or,</li><li>☐ Wetlands adjacent to TNWs: Acres</li></ul>   |  |
| Reserved for Section III D 2 (RPWs):   |  |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  |  |
| <ul> <li>□ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant r with a TNW, and is therfore jurisdictional.</li> <li>Length (Linear Feet):</li> <li>Width (feet):</li> <li>Acres:</li> </ul>  | nexus  |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |  |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |  |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   |  |
| ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent we has a significant nexus with the TNW.  | tlands,  |
| Estimated size of jurisdictional wetland (in acres):   |  |
| 7 Insperior dispersion of invited internal contains  |  |
| 7. Impoundments of jurisdictional waters.  |  |
| Demonstration of Jurisdiction:   | OF   |
|  |  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 44  |  |
|---|--|
| As described in Section 3C possess a significant nexus  | 1 above, an analysis of this ephemeral drainage determined that it did not with the nearest TNW.       |
| Explain finding of Other:   |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>  | 998.39 linear feet (ft), 10.21 width (ft) acres acres  |
|   |  |
| ✓ Data Sheets Prepared/ ☐ Office Concurs with   | ncur with delineation by the Corps Study lydrologic Atlas  |
| ✓ US Geological Survey N  | Map(s) Scale and Quad Name: hins SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles |
| <ul><li>□ USDA Nat'l Res Conser</li><li>□ National Wetlands Invo</li><li>□ State/Local Wetland In</li><li>□ FEMA/FIR Maps</li></ul> |  |
| ☐ 100-year Floodplain El  |  |
|   | Name and Date): BING, Microsoft Virtual Earth 2008   |
| _   | Name and Date): Ground Photos; May 2012 ns File No. and Date of Response Letter:                       |
| ☐ Applicable/Supporting ☐ Applicable/Supporting ☐ Other Information, Ple  | Case Law Citation: Scientific Literature Citation:   |
| Other information, Pie  | ase specify.   |

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>    |                     |                                  |               |                       |
|--|------------------|---------------------|----------------------------------|---------------|-----------------------|
| A. Report Completion Date for App  | oroved Jurisdic  | tional Determinat   | ion: 07/30/                      | 2012          |                       |
| B. District Office and File No: Los  | Angeles Distri   | ct, File No. Pendin | g                                |               |                       |
| C. Project Location and Background   | d Information:   | Drainage Featu      | ıre 45                           |               |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono   | O'odham Nation,     | Pima and Pina                    | l Counties, A | rizona                |
| Center coordinates of site: Lat.   | 32.5073          | Long111             | 9100                             |               |                       |
| Name of nearest waterbody: Un  | named Wash       | 45                  |                                  |               |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | W: Gila River    | between Powers      | Butte and Gille                  | espie Dam     |                       |
| ✓ Map/Diagram of potential juris   | dictional area   | is available on req | uest                             |               |                       |
| D. Review Performed for Site Evalu   | ation:           |                     |                                  |               |                       |
| Office Determination. Date:  |                  |                     |                                  |               |                       |
| Field Determination. Date: 05/2  | 2012             |                     |                                  |               |                       |
| SECTION II: SUMMARY OF FINDING   | GS               |                     |                                  |               |                       |
| A. RHA Section 10 Determination  |                  | 1                   |                                  |               |                       |
| There Are No "navigable waters   | s of the U.S." v | within RHA jurisdic | tion in the rev                  | iew area.     |                       |
| B. CWA Section 404 Determination   | n of Jurisdicti  | on                  |                                  |               |                       |
| There Are No "waters of the  | ne U.S." withir  | CWA jurisdiction    | in the review a                  | area.         |                       |
| 1. Waters of the US:   |                  |                     |                                  |               |                       |
| Linear Feet  |                  | Width (ft) and/o    | r                                | Acres         |                       |
| Limits of Jurisdiction based on:   |                  |                     |                                  |               |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional was</li> </ol> |                  | vetlands were asse  | ssed and dete                    | rmined not t  | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne    | it possessed a   | significant nexus   | with a downst                    | •             | •                     |
| SECTION III: CWA ANALYSIS  |                  |                     |                                  |               |                       |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs      |                     |                                  |               |                       |
| 1. Identified TNW:   |                  |                     |                                  |               |                       |
| Rationale for TNW determinat   | ion:             |                     |                                  |               |                       |
| 2. Rationale for conclusion tha  | it any wetland   | s present are "adj  | acent":                          |               |                       |
| B. CHARACTERISTICS OF NON-TN   | N TRIBUTARY      | AND ITS ADJACEN     | T WETLANDS                       |               |                       |
| TNW Watershed Size (sq mi):  | 49650            |                     | flow to TNW:                     |               | 4                     |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                   | 0.00060<br>8.5   |                     | from tributary<br>from tributary |               | 30 (or more)          |
| Average Annual Snowfall (in):  | 0.5              |                     | s from tributary                 |               | 30 (or more)          |
| 3  |                  |                     | s from tributar                  | •             |                       |
| ☐ Project waters cross or serv   | ve as state bou  | ındaries. Explai    | n:                               |               |                       |

Feature ID: 45

| Identify flow route to<br>Unnamed drainages<br>suggests the most lik<br>River. | within t                          | •                                 |                                       |              | •          | ·   |  |
|--|-----------------------------------|-----------------------------------|---------------------------------------|--------------|------------|-----|--|
| Tributary is: Natural  |                                   | Explain:                          |                                       |              |            |     |  |
| Average Width (ft):  | 10.96                             |                                   |                                       |              |            |     |  |
| Average Depth (ft):  | 1                                 |                                   |                                       |              |            |     |  |
|  |                                   |                                   |                                       |              |            |     |  |
| Average Side Slopes:<br>Primary tributary sub                                  |                                   | compositio                        | n (check all                          | that apply): |            |     |  |
| Primary tributary sub  | ostrate                           | compositio<br>Cobbles<br>Other, E | Bedro                                 |              | □ Vegetati | ion |  |
| Primary tributary sub  | ostrate o                         | Cobbles<br>Other, E               | Bedro                                 |              | □ Vegetati | ion |  |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/              | ostrate  S  Muck  Stability       | Cobbles Other, E                  | ☐ Bedro<br>xplain: ☐                  |              | □ Vegetati | ion |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                          | ostrate  Muck  Stability  le/Pool | Cobbles Other, E                  | Bedro  Explain:  Stable  St. Explain: | ck           | □ Vegetati | ion |  |

| (c) Flow:                  |                       |                  |             |             |            |                   |
|----------------------------|-----------------------|------------------|-------------|-------------|------------|-------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Eve    | nts per y   | ear:       | 2-5               |
| Describe Flow Regime:      | Ephemeral             | Other Inf        | ormation    | n on Dura   | ation and  | d Volume:         |
| Surface Flow is:           | Confined              | Characte         | ristics:    |             |            |                   |
| Subsurface Flow:           | No                    | Explain:         |             |             |            |                   |
| Tributary Has:             |                       |                  |             |             |            |                   |
| ☐ Bed and Banks            |                       |                  |             |             |            |                   |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |             |             |            |                   |
| ☐ Clear, natural line      | impressed on the bank | $\square$ $\vee$ | egetatio    | n matte     | d down,    | bent or absent    |
| Changes in soil cha        |                       |                  | eaf litter  | disturbe    | d or wa    | shed away         |
| ☐ Shelving                 |                       | □ P              | resence     | of litter a | and debi   | ris               |
| ☐ Sediment deposition      | on                    |                  | estructio   | on of teri  | restrial v | egetation         |
| Sediment sorting           |                       |                  | brupt ch    | ange in p   | olant cor  | nmunity           |
| ☐ Scour                    |                       |                  | /lultiple o | bserved     | or pred    | icted flow events |
| ☐ Presence of wrack        | line                  | □ <b>v</b>       | Vater sta   | ining       |            |                   |
| Other (list):              |                       |                  |             |             |            |                   |
| ☐ Discontinuous? Ex        | xplain:               |                  |             |             |            |                   |
| (iii) Chemical Characteris | stics:                |                  |             |             |            |                   |
| Characterize Tributa       | ry:                   |                  |             |             |            |                   |
| Identify Specific Poll     | utants, if known:     |                  |             |             |            |                   |
| , ,                        | ,                     |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |

| Feature ID: 45  |     |
|---|-----|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |     |
| Riparian Corridor Characteristics:  |     |
| ☐ Wetland Fringe Characteristics:   |     |
| Habitat for:  |     |
| ☐ Federally Listed Species Explain:   |     |
| ☐ Fish/Spawn Areas Explain:   |     |
| ☐ Other environmentally -sensitive species Explain:   |     |
| ☐ Aquatic/Wildlife diversity Explain:   |     |
| 2. Characteristics of wetlands adjacent to non TNNA/ that flow directly or indirectly into TNNA/                            |     |
| Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW     (i) Physical Characteristics: |     |
| Wetland Size (ac): Wetland Type, Explain:   |     |
| Wetland Quality, Explain:   |     |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |     |
| Wetland Flow is: Explain:   |     |
| Surface Flow is: Characteristics:   |     |
| Subsurface Flow: Explain Findings:  |     |
| ☐ Wetland Directly Abutting Non-TNW   |     |
| ☐ Wetland Not Directly Abutting Non-TNW   |     |
| ☐ Discrete wetland hydrologic connection Explain:   |     |
| ☐ Ecologcal connection Explain:   |     |
| ☐ Separated by berm/barrier Explain:  |     |
| Project Wetlands: River Miles from TNW:   |     |
| Project Wetlands: Aerial Miles from TNW:  |     |
| Flow is From:   |     |
| Approximate Location of Wetland within Floodplain:  |     |
| (ii) Chemical Characteristics:  |     |
| Characterize Wetland System:  |     |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |     |
| ☐ Riparian Buffer Explain:  |     |
| ☐ Vegetation type/percent cover. Explain:   |     |
| Habitat for:  |     |
| ☐ Federally Listed Species Explain:   |     |
| ☐ Fish/Spawn Areas Explain:   |     |
| ☐ Other environmentally-sensitive species Explain:  |     |
| ☐ Aquatic/Wildlife Diversity Explain:   |     |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |     |
| All wetland(s) considered in cumulative analysis:   |     |
| Wetland acres in total being considered in cumulative analysis:   |     |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions         | s): |
|   |     |
|   |     |
|   |     |

| icant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indire<br>W. Explain:  | ectly                          |
|---|--------------------------------|
| named ephemeral drainage is located more than 100 river miles from the nearest TNW, the Goal Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood ges, in combination with the geomorphology of the Analysis Area, the presence of a significant ream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests by of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants of abitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drain to provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. He does not have more than a speculative or insubstantial effect on the physical, chemical, and all integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant the TNW reach of the Gila River between Powers Butte and Gillespie Dam. | that the<br>or<br>rage<br>This |
| ficant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows dire   | ectly                          |
| ficant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW   | ٧.                             |
| INATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE and Adjacent Wetlands  |                                |
| Ws: Linear Feet Width (ft), Or, Acres tlands adjacent to TNWs: Acres ad for Section III D 2 (RPWs):   |                                |
|   |                                |
| RPWs that flow directly or indirectly into TNWs.  -TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant not a TNW, and is therfore jurisdictional.  gth (Linear Feet): Width (feet): Acres:  ed for Section III D 4 (Wetlands directly abutting RPWs):   | exus                           |
| ed for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |                                |
| lands adjacent to non-RPWs that flow directly or indirectly into TNWs.  tland adjacent to non-RPWs which, in combination with the tributary and other adjacent wet a significant nexus with the TNW.  mated size of jurisdictional wetland (in acres):  | lands,                         |
| oundments of jurisdictional waters.   |                                |
| nonstration of Jurisdiction:  |                                |
| ED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION   | OF                             |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 45  |   |
|---|---|
| As described in Section 3C possess a significant nexus  | 1 above, an analysis of this ephemeral drainage determined that it did not with the nearest TNW.                                    |
| Explain finding of Other:   |   |
| <ul><li>Non-wetland waters</li><li>Other waters</li><li>Wetlands</li></ul>  | 1532.02 linear feet (ft), 10.96 width (ft) acres acres  |
| SECTION IV: DATA SOURCES  |   |
| Data Sheets Prepared/ Office Concurs with   | lat Submitted by Applicant/Consultant: WestLand Resources, Inc.  Submitted on behalf of Applicant delineation ncur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Water</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit</li> </ul> | Study<br>lydrologic Atlas   |
|   | Map(s) Scale and Quad Name: sins SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                              |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Invo</li> <li>□ State/Local Wetland Invo</li> <li>□ FEMA/FIR Maps</li> </ul>                            |   |
| ☐ 100-year Floodplain El  | evation is: (National Geodetic Vertical Datum of 1929)  |
|   | Name and Date): BING, Microsoft Virtual Earth 2008  |
| Other Photographs (   | Name and Date): Ground Photos; May 2012   |
| _   | ns File No. and Date of Response Letter:  |
| ☐ Applicable/Supporting   |   |
| <ul><li>Applicable/Supporting</li><li>Other Information, Ple</li></ul>  |   |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>           |                       |  |                         |
|---|-------------------------|-----------------------|--|-------------------------|
| A. Report Completion Date for App   | roved Jurisdiction      | al Determination:     | 07/30/2012                                 |                         |
| B. District Office and File No: Los   | Angeles District, F     | ile No. Pending       |  |                         |
| C. Project Location and Background  | d Information: <b>D</b> | Prainage Feature      | 16   |                         |
| City, County, State Sif Oidak Dis   | strict, Tohono O'o      | dham Nation, Pima     | a and Pinal Counties,                      | , Arizona               |
| Center coordinates of site: Lat.  | 32.5073                 | Long111.910           | 00   |                         |
| Name of nearest waterbody: Un   | named Wash 46           |                       |  |                         |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River bet       | ween Powers Butt      | e and Gillespie Dam                        |                         |
| ✓ Map/Diagram of potential juris  | dictional area is av    | ailable on request    |  |                         |
| D. Review Performed for Site Evalu  | ation:                  |                       |  |                         |
| Office Determination. Date:   |                         |                       |  |                         |
| Field Determination. Date: 05/  | 2012                    |                       |  |                         |
| SECTION II: SUMMARY OF FINDIN   | GS                      |                       |  |                         |
| A. RHA Section 10 Determination   |                         |                       |  |                         |
| There Are No "navigable waters  | s of the U.S." with     | n RHA jurisdiction    | in the review area.                        |                         |
| B. CWA Section 404 Determination  | on of Jurisdiction      |                       |  |                         |
| There Are No "waters of the   | ne U.S." within CW      | 'A jurisdiction in th | e review area.                             |                         |
| 1. Waters of the US:  |                         |                       |  |                         |
| Linear Feet   | W                       | idth (ft) and/or      | Acres                                      |                         |
| Limits of Jurisdiction based on:  |                         |                       |  |                         |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa                        |                         | nds were assessed     | and determined no                          | t to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a sigr     | nificant nexus with   | ·  | •                       |
| SECTION III: CWA ANALYSIS   |                         |                       |  |                         |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs             |                       |  |                         |
| 1. Identified TNW:  |                         |                       |  |                         |
| Rationale for TNW determinate   | ion:                    |                       |  |                         |
| 2. Rationale for conclusion tha   | t any wetlands pr       | esent are "adjacen    | t":  |                         |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY AND         | ITS ADJACENT WI       | ETLANDS                                    |                         |
| TNW Watershed Size (sq mi):   | 49650                   | Tributaries flow      |  | 4                       |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                | 0.00145<br>8.5          |                       | n tributary to TNW:<br>n tributary to RPW: | 30 (or more)            |
| Average Annual Snowfall (in):   | 0                       |                       | m tributary to RPW:                        | : 30 (or more)          |
|   | _                       |                       | m tributary to RPW:                        |                         |
| ☐ Project waters cross or serv  | ve as state bounda      | ries. Explain:        |  |                         |

Feature ID: 46

| Unnamed drainages<br>suggests the most lik<br>River.                          |                              | •                           |                | •                |       |             |   |  |
|---|------------------------------|-----------------------------|----------------|------------------|-------|-------------|---|--|
| Tributary is: Natural   |                              | Explain:                    |                |                  |       |             |   |  |
| Average Width (ft):   | 9.16                         |                             |                |                  |       |             |   |  |
| verage Depth (ft):  | 1                            |                             |                |                  |       |             |   |  |
| Average Side Slopes:  | 2.1                          |                             |                |                  |       |             |   |  |
| Primary tributary sub   |                              | compositio                  | n (check al    | I that apply):   |       |             |   |  |
| Primary tributary sub<br>✓ Silts ☐ Sands                                      | ostrate c                    | Cobbles                     | Bedro          |                  | vel 🗆 | ☐ Vegetatio | n |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ I                         | ostrate d<br>s   Muck        | Cobbles<br>Other, E         | Bedro          | , , , ,          | vel 🗆 | □ Vegetatio | n |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  ─ Tributary Condition/ | ostrate os   Muck Stability  | Cobbles Other, E . Explain: | ☐ Bedroxplain: | , , , ,          |       | □ Vegetatio | n |  |
| Primary tributary sub  ✓ Silts ☐ Sands  | ostrate of s  Muck Stability | Cobbles Other, E . Explain: | Bedro          | ock <b>⊻</b> Gra |       | □ Vegetatio | n |  |

| (c) Flow:                  |                      |            |           |             |            |                  |  |
|----------------------------|----------------------|------------|-----------|-------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow       | Average    | Flow Eve  | ents per ye | ear:       | 2-5              |  |
| Describe Flow Regime:      | Ephemeral            | Other Inf  | ormatio   | n on Dura   | tion and   | Volume:          |  |
| Surface Flow is:           | Confined             | Characte   | ristics:  |             |            |                  |  |
| Subsurface Flow:           | No                   | Explain:   |           |             |            |                  |  |
| Tributary Has:             |                      |            |           |             |            |                  |  |
| ☐ Bed and Banks            |                      |            |           |             |            |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:            |            |           |             |            |                  |  |
| ☐ Clear, natural line i    | mpressed on the bank | · □ \      | /egetatio | on matted   | down, b    | ent or absent    |  |
| ✓ Changes in soil cha      | racter               |            | eaf litte | r disturbe  | d or was   | hed away         |  |
| ☐ Shelving                 |                      | □ P        | resence   | of litter a | nd debri   | S                |  |
| ☐ Sediment deposition      | on                   | ✓ [        | Destructi | ion of terr | estrial ve | egetation        |  |
| ✓ Sediment sorting         |                      |            | Abrupt cl | hange in p  | lant con   | nmunity          |  |
| ☐ Scour                    |                      |            | Multiple  | observed    | or predi   | cted flow events |  |
| ☐ Presence of wrack        | line                 | □ <b>\</b> | Vater sta | aining      |            |                  |  |
| Other (list):              |                      |            |           |             |            |                  |  |
| ☐ Discontinuous? Ex        | xplain:              |            |           |             |            |                  |  |
| (iii) Chemical Characteris | tics:                |            |           |             |            |                  |  |
| Characterize Tributa       | ry:                  |            |           |             |            |                  |  |
| Identify Specific Poll     | •                    |            |           |             |            |                  |  |
| , ,                        | •                    |            |           |             |            |                  |  |
|                            |                      |            |           |             |            |                  |  |
|                            |                      |            |           |             |            |                  |  |
|                            |                      |            |           |             |            |                  |  |

| Feature ID: 46   |                    |
|--|--------------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                            |                    |
| Riparian Corridor Characteristics:   |                    |
| ☐ Wetland Fringe Characteristics:  |                    |
| Habitat for:   |                    |
| ☐ Federally Listed Species Explain:  |                    |
| ☐ Fish/Spawn Areas Explain:  |                    |
| ☐ Other environmentally -sensitive species   |                    |
| ☐ Aquatic/Wildlife diversity Explain:  |                    |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW         |                    |
| (i) Physical Characteristics:  |                    |
| Wetland Size (ac): Wetland Type, Explain:  |                    |
| Wetland Quality, Explain:  |                    |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |                    |
| Wetland Flow is: Explain:  |                    |
| Surface Flow is: Characteristics:  |                    |
| Subsurface Flow: Explain Findings:   |                    |
| ☐ Wetland Directly Abutting Non-TNW  |                    |
| ☐ Wetland Not Directly Abutting Non-TNW  |                    |
| ☐ Discrete wetland hydrologic connection Explain:  |                    |
| ☐ Ecologcal connection Explain:  |                    |
| ☐ Separated by berm/barrier Explain:   |                    |
| Project Wetlands: River Miles from TNW:  |                    |
| Project Wetlands: Aerial Miles from TNW:   |                    |
| Flow is From:  |                    |
| Approximate Location of Wetland within Floodplain:   |                    |
| (ii) Chemical Characteristics:   |                    |
| Characterize Wetland System:   |                    |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                           |                    |
| Riparian Buffer Explain:   |                    |
| ☐ Vegetation type/percent cover. Explain:  |                    |
| Habitat for:   |                    |
| ☐ Federally Listed Species Explain:  |                    |
| ☐ Fish/Spawn Areas Explain:  |                    |
| ☐ Other environmentally-sensitive species Explain:   |                    |
| ☐ Aquatic/Wildlife Diversity Explain:  |                    |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                        |                    |
| All wetland(s) considered in cumulative analysis:  |                    |
| Wetland acres in total being considered in cumulative analysis:                                      |                    |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or phy | vsical functions). |
| 2 225 Teliana (an esti, assis tinsutary), size in acres, overall storogram, chemical of phi          | o.our ranocionoji  |
|  |                    |
|  |                    |

| . SIGNIFICANT NEXUS  | DETERMINATION  |
|--|--|
| 1. Significant nexus finto TNW. Explain:   | indings for non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butt<br>discharges, in combin<br>downstream manmad<br>possibility of a hydrol<br>critical habitats were<br>does not provide lifed<br>drainage does not hab<br>biological integrity of   | neral drainage is located more than 100 river miles from the nearest TNW, the Gila River te and Gillespie Dam. An analysis of peak yearly discharges and potential flood nation with the geomorphology of the Analysis Area, the presence of a significant de impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the logic connection between this drainage and the TNW is tenuous. No pollutants or identified within the Analysis Area. Additionally, this unnamed ephemeral drainage cycle support functions, nutrients, or organic carbon to species within the TNW. This we more than a speculative or insubstantial effect on the physical, chemical, and/or the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant reach of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus f or indirectly into TNV  | indings for non-RPW and its adjacent wetlands, where the non-RPW flows directly W. Explain:  |
| 3. Significant nexus f Explain:  | indings for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| 1. TNWs and Adjacer  |  |
|  | Linear Feet Width (ft), Or, Acres  nt to TNWs: Acres   |
| ☐ TNWs: ☐ Wetlands adjace  Reserved for Section  | Linear Feet Width (ft), Or, Acres  nt to TNWs: Acres   |
| 1. TNWs and Adjacer  TNWs:  Wetlands adjace Reserved for Section  3. Non-RPWs that flo   | Linear Feet Width (ft), Or, Acres  nt to TNWs: Acres  III D 2 (RPWs):  |
| 1. TNWs and Adjacer  TNWs:  Wetlands adjace Reserved for Section 3. Non-RPWs that flo  | Linear Feet Width (ft), Or, Acres  III D 2 (RPWs):  Ow directly or indirectly into TNWs.  PW waterbody that flows directly or indirectly into a TNW and has a signficant nexus is therfore jurisdictional.   |
| 1. TNWs and Adjacer  TNWs:  Wetlands adjace Reserved for Section 3. Non-RPWs that flo  Non-TNW/non-RF with a TNW, and i Length (Linear Fee   | Linear Feet Width (ft), Or, Acres  III D 2 (RPWs):  Ow directly or indirectly into TNWs.  PW waterbody that flows directly or indirectly into a TNW and has a signficant nexus is therfore jurisdictional.   |
| 1. TNWs and Adjacer  TNWs: Wetlands adjace Reserved for Section 3. Non-RPWs that flo Non-TNW/non-RF with a TNW, and it Length (Linear Fee  | Linear Feet Width (ft), Or, Acres  III D 2 (RPWs):  Ow directly or indirectly into TNWs.  PW waterbody that flows directly or indirectly into a TNW and has a signficant nexus is therfore jurisdictional.  et): Width (feet): Acres:  |
| 1. TNWs and Adjacer  TNWs: Wetlands adjace Reserved for Section 3. Non-RPWs that flood Non-TNW/non-RF with a TNW, and it Length (Linear Feet Reserved for Section Reserved for Section   | Linear Feet Width (ft), Or, Acres  III D 2 (RPWs):  Ow directly or indirectly into TNWs.  PW waterbody that flows directly or indirectly into a TNW and has a signficant nexus is therfore jurisdictional.  et): Acres:  III D 4 (Wetlands directly abutting RPWs):  |
| 1. TNWs and Adjacer  TNWs:  Wetlands adjace Reserved for Section 3. Non-RPWs that flow Non-TNW/non-RF with a TNW, and in Length (Linear Feet Reserved for Section Reserved for Section Reserved for Section Wetlands adjacer has a significant in  | Linear Feet Width (ft), Or, Acres  It to TNWs: Acres  III D 2 (RPWs):  Ow directly or indirectly into TNWs.  Ow waterbody that flows directly or indirectly into a TNW and has a signficant nexus is therfore jurisdictional.  et): Width (feet): Acres:  III D 4 (Wetlands directly abutting RPWs):  III D 5 (Wetlands adjacent to but not directly abutting RPWs):  Int to non-RPWs that flow directly or indirectly into TNWs.  It to non-RPWs which, in combination with the tributary and other adjacent wetlands, nexus with the TNW.  |
| 1. TNWs and Adjacer  TNWs:  Wetlands adjace Reserved for Section 3. Non-RPWs that flood Non-TNW/non-RF with a TNW, and it Length (Linear Feet Reserved for Section Reserved for Section Reserved for Section Wetlands adjacer has a significant in Estimated size of   | Linear Feet Width (ft), Or, Acres  III D 2 (RPWs):  Ow directly or indirectly into TNWs.  Ow waterbody that flows directly or indirectly into a TNW and has a signficant nexus is therfore jurisdictional.  et): Width (feet): Acres:  III D 4 (Wetlands directly abutting RPWs):  III D 5 (Wetlands adjacent to but not directly abutting RPWs):  In to non-RPWs that flow directly or indirectly into TNWs.  It to non-RPWs which, in combination with the tributary and other adjacent wetlands, nexus with the TNW.  |
| 1. TNWs and Adjacer  TNWs:  Wetlands adjace Reserved for Section 3. Non-RPWs that flow Non-TNW/non-REWith a TNW, and in Length (Linear Feet Reserved for Section Reserved for Res | Linear Feet  |
| 1. TNWs and Adjacer  TNWs:  Wetlands adjace Reserved for Section 3. Non-RPWs that flo  Non-TNW/non-RF with a TNW, and i Length (Linear Fee Reserved for Section Reserved for Section Reserved for Section Wetlands adjacer has a significant is Estimated size of  | Linear Feet  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 46  |   |
|---|---|
| As described in Section 3C possess a significant nexus  | c1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW.                                       |
| Explain finding of Other:   |   |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>  | 4399.05 linear feet (ft), 9.16 width (ft) acres acres   |
| SECTION IV: DATA SOURCES  |   |
| ✓ Data Sheets Prepared/  ☐ Office Concurs with  | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  'Submitted on behalf of Applicant in delineation  ncur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Water</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit</li> </ul> | r Study<br>Hydrologic Atlas   |
|   | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                    |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Invelopment</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul>                       |   |
| ☐ 100-year Floodplain Ele   | evation is: (National Geodetic Vertical Datum of 1929)  |
|   | Name and Date): BING, Microsoft Virtual Earth 2008  |
|   | Name and Date): Ground Photos; May 2012   |
|   | ns File No. and Date of Response Letter:  |
| ☐ Applicable/Supporting   |   |
| <ul><li>Applicable/Supporting</li><li>Other Information, Ple</li></ul>  |   |

| SECTION I: BACKGROUND INFORM  | 1ATION            |                         |  |                       |
|---|-------------------|-------------------------|--|-----------------------|
| A. Report Completion Date for App   | roved Jurisdic    | tional Determination:   | 07/30/2012                                 |                       |
| B. District Office and File No: Los   | Angeles Distric   | ct, File No. Pending    |  |                       |
| C. Project Location and Background  | d Information:    | Drainage Feature 4      | 6A   |                       |
| City, County, State Sif Oidak Dis   | strict, Tohono    | O'odham Nation, Pima    | and Pinal Counties,                        | Arizona               |
| Center coordinates of site: Lat.  | 32.5073           | Long111.910             | 0  |                       |
| Name of nearest waterbody: Uni  | named Wash 4      | 6A                      |  |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                  | W: Gila River     | between Powers Butte    | e and Gillespie Dam                        |                       |
| ✓ Map/Diagram of potential jurise   | dictional area i  | s available on request  |  |                       |
| D. Review Performed for Site Evalu  | ation:            |                         |  |                       |
| Office Determination. Date:   |                   |                         |  |                       |
| Field Determination. Date: 05/2   | 2012              |                         |  |                       |
| SECTION II: SUMMARY OF FINDING  | GS                |                         |  |                       |
| A. RHA Section 10 Determination   |                   |                         |  |                       |
| There Are No "navigable waters  | s of the U.S." w  | vithin RHA jurisdiction | in the review area.                        |                       |
| B. CWA Section 404 Determination  | n of Jurisdiction | on                      |  |                       |
| There Are No "waters of the   | ne U.S." within   | CWA jurisdiction in the | e review area.                             |                       |
| 1. Waters of the US:  |                   |                         |  |                       |
| Linear Feet   |                   | Width (ft) and/or       | Acres                                      |                       |
| Limits of Jurisdiction based on:  |                   |                         |  |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                   | etlands were assessed   | and determined not                         | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne   | it possessed a    | significant nexus with  |  | -                     |
| SECTION III: CWA ANALYSIS   |                   |                         |  |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs        |                         |  |                       |
| 1. Identified TNW:  |                   |                         |  |                       |
| Rationale for TNW determinat  | ion:              |                         |  |                       |
| 2. Rationale for conclusion tha   | t any wetland:    | s present are "adjacen  | t":  |                       |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY       | AND ITS ADJACENT WE     | TLANDS                                     |                       |
| TNW Watershed Size (sq mi):   | 49650             | Tributaries flow        |  | 4                     |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                  | 0.00047<br>8.5    |                         | n tributary to TNW:<br>n tributary to RPW: | 30 (or more)          |
| Average Annual Snowfall (in):   | 0                 |                         | n tributary to TNW:                        | 30 (or more)          |
|   |                   |                         | n tributary to RPW:                        | ,                     |
| ☐ Project waters cross or serv  | e as state bou    | ndaries. Explain:       |  |                       |

Feature ID: 46A

| _   |                        | •                                 | Area are ultimately tributary to the Santa Rosa Wash. Topography tial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|---|------------------------|-----------------------------------|--|
| Tributary is: Natural   |                        | Explain:                          |  |
| Average Width (ft):   | 9.04                   |                                   |  |
| Average Depth (ft):   | 1                      |                                   |  |
| Average Side Slopes:  | 2:1                    |                                   |  |
|   | ostrate                | compositio                        | n (check all that apply):  |
| Primary tributary sub  ✓ Silts ☐ Sands                                      |                        | compositio<br>Cobbles<br>Other, E | ☐ Bedrock ✓ Gravel ☐ Vegetation  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                       | s 🗆<br>Muck            | Cobbles<br>Other, E               | ☐ Bedrock ✓ Gravel ☐ Vegetation  |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N  Tributary Condition/ | s<br>Muck<br>Stability | Cobbles Other, E                  | ☐ Bedrock ☑ Gravel ☐ Vegetation  xplain:  Stable   |
| Primary tributary sub  Silts Sands  | Muck Stability le/Pool | Cobbles Other, E                  | □ Bedrock ☑ Gravel □ Vegetation  xplain:  Stable  Explain: Not Present   |

| (c) Flow:                  |                       |            |                      |           |                   |
|----------------------------|-----------------------|------------|----------------------|-----------|-------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average    | Flow Events per ye   | ear:      | 2-5               |
| Describe Flow Regime:      | Ephemeral             | Other In   | formation on Durat   | tion and  | d Volume:         |
| Surface Flow is:           | Confined              | Characte   | eristics:            |           |                   |
| Subsurface Flow:           | No                    | Explain:   |                      |           |                   |
| Tributary Has:             |                       |            |                      |           |                   |
| ☐ Bed and Banks            |                       |            |                      |           |                   |
| ✓ OHWM: OHWM Inc           | dicators:             |            |                      |           |                   |
| ☐ Clear, natural line i    | impressed on the bank |            | /egetation matted    | down,     | bent or absent    |
| Changes in soil cha        | nracter               |            | eaf litter disturbed | d or was  | shed away         |
| ☐ Shelving                 |                       |            | Presence of litter a | nd debr   | ris               |
| ☐ Sediment deposition      | on                    | <b>✓</b> [ | Destruction of terre | estrial v | egetation         |
| ✓ Sediment sorting         |                       |            | Abrupt change in pl  | lant cor  | nmunity           |
| ☐ Scour                    |                       |            | Multiple observed    | or pred   | icted flow events |
| ☐ Presence of wrack        | line                  |            | Water staining       |           |                   |
| Other (list):              |                       |            |                      |           |                   |
| ☐ Discontinuous? Ex        | rplain:               |            |                      |           |                   |
| (iii) Chemical Characteris | tics:                 |            |                      |           |                   |
| Characterize Tributa       | ry:                   |            |                      |           |                   |
| Identify Specific Poll     | •                     |            |                      |           |                   |
|                            |                       |            |                      |           |                   |
|                            |                       |            |                      |           |                   |
|                            |                       |            |                      |           |                   |
|                            |                       |            |                      |           |                   |

| ·_ •                            | s. Channel supports (check all that apply):                       |  |
|---------------------------------|---|--|
| $\square$ Riparian Corridor Cha | aracteristics:  |  |
| ☐ Wetland Fringe Chara          | acteristics:  |  |
| Habitat for:                    |   |  |
| ☐ Federally Listed Specie       | es Explain:   |  |
| ☐ Fish/Spawn Areas              | Explain:  |  |
| $\square$ Other environmentall  |   |  |
| ☐ Aquatic/Wildlife diver        | rsity Explain:  |  |
| . Characteristics of wetland    | ds adjacent to non-TNW that flow directly or indirectly into TNW  |  |
| ) Physical Characteristics:     |   |  |
| Wetland Size (ac):              | Wetland Type, Explain:  |  |
| Wetland Quality, Explain        | 1:  |  |
| Project Wetlands Cross of       | or Serve as State Boundaries, Explain:                            |  |
| Wetland Flow is:                | Explain:  |  |
| Surface Flow is:                | Characteristics:  |  |
| Subsurface Flow:                | Explain Findings:   |  |
| $\square$ Wetland Directly Abut | tting Non-TNW   |  |
| ☐ Wetland Not Directly          | Abutting Non-TNW  |  |
| ☐ Discrete wetland h            | ydrologic connection Explain:                                     |  |
| Ecological connection           | on Explain:   |  |
| $\square$ Separated by berm     | /barrier Explain:   |  |
| Project Wetlands: River         | Miles from TNW:   |  |
| Project Wetlands: Aerial        | Miles from TNW:   |  |
| Flow is From:                   |   |  |
| Approximate Location of         | f Wetland within Floodplain:                                      |  |
| i) Chemical Characteristics:    |   |  |
| Characterize Wetland Sy         | vstem:  |  |
| ii) Biological Characteristics  | s. Wetland supports (check all that apply):                       |  |
| ☐ Riparian Buffer Exp           |   |  |
| ☐ Vegetation type/per           |   |  |
| Habitat for:                    |   |  |
| ☐ Federally Listed Spe          | ecies Explain:  |  |
| ☐ Fish/Spawn Areas              | ·   |  |
| $\square$ Other environment     | tally-sensitive species Explain:                                  |  |
| ☐ Aquatic/Wildlife Di           | versity Explain:  |  |
|                                 | ands adjacent to the non-TNW tributary (if any)                   |  |
| . Characteristics of all wetle  |   |  |
|                                 | d in cumulative analysis:   |  |
| All wetland(s) considered       | d in cumulative analysis: eing considered in cumulative analysis: |  |

| . SIGNIFICANT NEXUS DETERMINATION  | I  |
|--|--|
| 1. Significant nexus findings for non-R into TNW. Explain:   | PW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gillespie D discharges, in combination with the ge downstream manmade impoundment possibility of a hydrologic connection be critical habitats were identified within does not provide lifecycle support fund drainage does not have more than a speciological integrity of the TNW. Therefore   | ocated more than 100 river miles from the nearest TNW, the Gila River am. An analysis of peak yearly discharges and potential flood comorphology of the Analysis Area, the presence of a significant (Tat Momolikot Dam), and the distance to the TNW, suggests that the petween this drainage and the TNW is tenuous. No pollutants or the Analysis Area. Additionally, this unnamed ephemeral drainage ctions, nutrients, or organic carbon to species within the TNW. This peculative or insubstantial effect on the physical, chemical, and/or fore, this unnamed ephemeral drainage does not possess a significant River between Powers Butte and Gillespie Dam.  |
| 2. Significant nexus findings for non-R or indirectly into TNW. Explain:   | PW and its adjacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for wetla Explain:   | nds adjacent to an RPW but that do not directly abut the RPW.  |
| DETERMINATIONS OF HIRISDICTIONA  | I FINDINGS THE SUBJECT WATERS (WETLANDS ARE  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:   | Width (ft), Or,  Acres  Acres  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):   | Width (ft), Or, Acres  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):   | Width (ft), Or,  Acres  Acres  irectly into TNWs.  at flows directly or indirectly into a TNW and has a significant nexus ctional.  Width (feet):  Acres:  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands)  | Width (ft), Or,  Acres  Acres  irectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind  Non-TNW/non-RPW waterbody the with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands)  | Width (ft), Or,  Acres  Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands 6. | Width (ft), Or,  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres:  Acres: |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the with a significant nexus with the TN  | Width (ft), Or,  Acres  Acres  Acres  Acres  Acres  Acres  Acres:  Acr |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs that a significant nexus with the TN Estimated size of jurisdictional we  | Width (ft), Or, Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres:  Acres: |
| 1. TNWs and Adjacent Wetlands  TNWs:  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the with a significant nexus with the TN  | Width (ft), Or, Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres:  Acres: |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 46A  |   |                                       |              |               |               |         |
|--|---|---------------------------------------|--------------|---------------|---------------|---------|
| As described in Section 30 possess a significant nexu  | •   |                                       | neral draina | ge determined | that it did n | ot      |
| Explain finding of Other:  |   |                                       |              |               |               |         |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | a   | inear feet (ft),<br>acres<br>acres    | 9.04         | width (ft)    |               |         |
| SECTION IV: DATA SOURCES   |   |                                       |              |               |               |         |
| Maps, Plans, Plots or F  Data Sheets Prepared,  Office Concurs with  Office Does Not Co  Data Sheets Prepared  Corps Navigable Wate  US Geological Survey F  USGS NHD Data  USGS 8 and 12 dig  ✓ US Geological Survey I  Silver Reef Mount | 'Submitted on beh<br>n delineation<br>ncur with delineat<br>by the Corps<br>r Study<br>Hydrologic Atlas<br>it HUC Map<br>Map(s) Scale and | alf of Applicant<br>ion<br>Quad Name: |              |               |               | rangles |
| □ USDA Nat'l Res Conser □ National Wetlands Inv □ State/Local Wetland Ir □ FEMA/FIR Maps □ 100-year Floodplain El  | vation Service Soil<br>entory Maps Ci<br>nventory Maps<br>evation is:   | l Survey Citat<br>ite Map Name:       | ion:         | Geodetic Vert |               |         |
| <ul><li>✓ Aerial Photographs (</li><li>✓ Other Photographs (</li></ul>   |   |                                       |              | tn 2008       |               |         |
| ☐ Previous Determination   | - L   |                                       |              |               |               |         |
| ☐ Applicable/Supporting  |   |                                       |              |               |               |         |
| Applicable/Supporting  | Scientific Literatu   | re Citation:                          |              |               |               |         |

Other Information, Please Specify:

| SECTION I: BACKGROUND INFORMATION  |
|--|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |
| B. District Office and File No: Los Angeles District, File No. Pending   |
| C. Project Location and Background Information: Drainage Feature 46B   |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties, Arizona  |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |
| Name of nearest waterbody: Unnamed Wash 46B  |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam  |
| HUC Code: 15050306   |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |
| D. Review Performed for Site Evaluation:   |
| Office Determination. Date:  |
| Field Determination. Date: 05/2012   |
| SECTION II: SUMMARY OF FINDINGS  |
| A. RHA Section 10 Determination of Jurisdiction  |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.  |
| B. CWA Section 404 Determination of Jurisdiction   |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.  |
| 1. Waters of the US:   |
| Linear Feet Width (ft) and/or Acres  |
| Limits of Jurisdiction based on:   |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be jurisdictional:</li></ul> |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drainage could only be   |
| considered jurisdictional if it possessed a significant nexus with a downstream TNW. This drainage does not possess a significant nexus with the downstream TNW.       |
| SECTION III: CWA ANALYSIS  |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |
| 1. Identified TNW:   |
| Rationale for TNW determination:   |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW: 4   |
| Drainage Area (sq mi): 0.00017 River Miles from tributary to TNW: 30 (or more)   |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:   |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW: 30 (or more)  Aerial Miles from tributary to RPW:  |
| ☐ Project waters cross or serve as state boundaries. Explain:  |

Feature ID: 46B

| _                     |                              | •                   | s Area are ultimately tributary to the Santa Rosa Wash. Topography tial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|-----------------------|------------------------------|---------------------|--|
| Tributary is: Natural |                              | Explain:            |  |
| Average Width (ft):   | 7.15                         |                     |  |
| Average Depth (ft):   | 1                            |                     |  |
| Average Side Slopes:  | 2:1                          |                     |  |
|                       |                              | Calalaa             |  |
| ✓ Silts ☐ Sands       | s □<br>Muck                  | Cobbles<br>Other, E | ☐ Bedrock ☑ Gravel ☐ Vegetation  xplain:   |
| ☐ Concrete ☐ N        | √uck                         | Other, E            | _  |
| Concrete              | Muck<br>Stability            | Other, E            | xplain: Stable   |
| _                     | Muck<br>Stability<br>Ie/Pool | Other, E            | xplain:  Stable  S. Explain: Not Present   |

| (c) Flow:                  |                                       |            |            |             |           |                  |  |
|----------------------------|---------------------------------------|------------|------------|-------------|-----------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow                        | Average    | Flow Eve   | ents per ye | ear:      | 2-5              |  |
| Describe Flow Regime:      | Ephemeral                             | Other Inf  | ormatic    | n on Dura   | tion and  | Volume:          |  |
| Surface Flow is:           | Confined                              | Characte   | ristics:   |             |           |                  |  |
| Subsurface Flow:           | No                                    | Explain:   |            |             |           |                  |  |
| Tributary Has:             |                                       |            |            |             |           |                  |  |
| ☐ Bed and Banks            |                                       |            |            |             |           |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:                             |            |            |             |           |                  |  |
| ☐ Clear, natural line      | impressed on the bank                 |            | /egetati   | on matted   | down, b   | ent or absent    |  |
| ✓ Changes in soil cha      | aracter                               |            | eaf litte. | r disturbed | d or was  | hed away         |  |
| ☐ Shelving                 |                                       | □ F        | resence    | of litter a | nd debri  | S                |  |
| ☐ Sediment deposition      | Destruction of terrestrial vegetation |            |            |             |           |                  |  |
| ✓ Sediment sorting         |                                       |            | Abrupt c   | hange in p  | lant com  | ımunity          |  |
| ☐ Scour                    |                                       |            | Multiple   | observed    | or predic | cted flow events |  |
| ☐ Presence of wrack        | line                                  | □ <b>\</b> | Vater st   | aining      |           |                  |  |
| Other (list):              |                                       |            |            |             |           |                  |  |
| ☐ Discontinuous? Ex        | xplain:                               |            |            |             |           |                  |  |
| (iii) Chemical Characteris | stics:                                |            |            |             |           |                  |  |
| Characterize Tributa       | ry:                                   |            |            |             |           |                  |  |
| Identify Specific Poll     | •                                     |            |            |             |           |                  |  |
|                            | ,                                     |            |            |             |           |                  |  |
|                            |                                       |            |            |             |           |                  |  |
|                            |                                       |            |            |             |           |                  |  |
|                            |                                       |            |            |             |           |                  |  |

| iv) Biological Characterist  | ics. Channel supports (check all that apply):                           |
|--|---|
| ☐ Riparian Corridor C  | Characteristics:  |
| ☐ Wetland Fringe Cha   | aracteristics:  |
| Habitat for:   |   |
| ☐ Federally Listed Spe   | ecies Explain:  |
| ☐ Fish/Spawn Areas   | Explain:  |
| · •  | ally -sensitive species Explain:  |
| $\square$ Aquatic/Wildlife div   | versity Explain:  |
| 2  | and a discount to the Table Affect discouling the continue the internal |
| <ol><li>Characteristics of wetla<br/>(i) Physical Characteristics:</li></ol>         | ands adjacent to non-TNW that flow directly or indirectly into TNW :    |
| Wetland Size (ac):   | Wetland Type, Explain:  |
| Wetland Quality, Expla   | ain:  |
| Project Wetlands Cros  | s or Serve as State Boundaries, Explain:                                |
| Wetland Flow is:   | Explain:  |
| Surface Flow is:   | Characteristics:  |
| Subsurface Flow:   | Explain Findings:   |
| ☐ Wetland Directly Ab  | outting Non-TNW   |
| ☐ Wetland Not Direct   |   |
|  | hydrologic connection Explain:  |
| ☐ Ecologcal connec   |   |
| $\square$ Separated by ber   | rm/barrier Explain:   |
| Project Wetlands: Rive   | er Miles from TNW:  |
| Project Wetlands: Aeri   | ial Miles from TNW:   |
| Flow is From:  |   |
| Approximate Location   | of Wetland within Floodplain:   |
| ii) Chemical Characteristic  | CS:   |
| Characterize Wetland   |   |
|  |   |
| -  | ics. Wetland supports (check all that apply):                           |
| Riparian Buffer Ex   |   |
|  | ercent cover. Explain:  |
| Habitat for:   |   |
| ☐ Federally Listed S   |   |
| ☐ Fish/Spawn Areas   | •   |
| • •  | entally-sensitive species Explain:                                      |
| ☐ Other environme  | B: E 1:   |
| • •  | Diversity Explain:  |
| ☐ Other environme ☐ Aquatic/Wildlife   | Diversity Explain: etlands adjacent to the non-TNW tributary (if any)   |
| ☐ Other environme ☐ Aquatic/Wildlife  3. Characteristics of all we                   |   |
| Other environme Aquatic/Wildlife  Characteristics of all we  All wetland(s) consider | etlands adjacent to the non-TNW tributary (if any)                      |

| C. SIGNIFICANT NEXUS DETERMINATION  |  |
|---|--|
| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or into TNW. Explain:  | indirectly   |
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential fl discharges, in combination with the geomorphology of the Analysis Area, the presence of a sign downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, sugge possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutic critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral does not provide lifecycle support functions, nutrients, or organic carbon to species within the drainage does not have more than a speculative or insubstantial effect on the physical, chemical biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. | ood<br>ificant<br>gests that the<br>ants or<br>drainage<br>FNW. This<br>II, and/or |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flow or indirectly into TNW. Explain:  | s directly   |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the Explain:  | e RPW.   |
| D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |  |
| 1. TNWs and Adjacent Wetlands   |  |
| <ul><li>☐ TNWs:</li><li>☐ Linear Feet</li><li>☐ Wetlands adjacent to TNWs:</li><li>☐ Acres</li></ul>  | es   |
| Reserved for Section III D 2 (RPWs):  |  |
| 3. Non-RPWs that flow directly or indirectly into TNWs.   |  |
| Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signfic with a TNW, and is therfore jurisdictional.  | ant nexus  |
| Length (Linear Feet): Width (feet): Acres:  |  |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):   |  |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |  |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |  |
| $\square$ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacen has a significant nexus with the TNW.   | t wetlands,  |
| Estimated size of jurisdictional wetland (in acres):  |  |
| 7. Impoundments of jurisdictional waters.   |  |
| Demonstration of Jurisdiction:  |  |
| E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCT WHICH COULD AFFECT INTERSTATE COMMERCE  | TION OF  |
| Supporting rationale:   |  |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 46B               |                       |               |              |                             |           |
|-------------------------------|-----------------------|---------------|--------------|-----------------------------|-----------|
| As described in Section 3C1   |                       |               | eral drainag | ge determined that it did   | not       |
| possess a significant nexus   | with the nearest TN   | VV.           |              |                             |           |
| Explain finding of Other:     |                       |               |              |                             |           |
| ✓ Non-wetland waters          | 645.98 linea          | ar feet (ft), | 7.15 v       | vidth (ft)                  |           |
| ☐ Other waters                | acre                  | es            |              |                             |           |
| ☐ Wetlands                    | acre                  | es            |              |                             |           |
| SECTION IV DATA COURSES       |                       |               |              |                             |           |
| SECTION IV: DATA SOURCES      |                       |               |              |                             |           |
| Maps, Plans, Plots or Pla     |                       |               | ıltant: We   | estLand Resources, Inc.     |           |
| ✓ Data Sheets Prepared/S      |                       | of Applicant  |              |                             |           |
| Office Concurs with           |                       |               |              |                             |           |
| ☐ Office Does Not Con         | cur with delineation  | 1             |              |                             |           |
| ☐ Data Sheets Prepared b      | y the Corps           |               |              |                             |           |
| Corps Navigable Water         | Study                 |               |              |                             |           |
| ☐ US Geological Survey Hy     | drologic Atlas        |               |              |                             |           |
| USGS NHD Data                 |                       |               |              |                             |           |
| $\square$ USGS 8 and 12 digit | HUC Map               |               |              |                             |           |
| ✓ US Geological Survey M      | an(s) Scale and Ou    | ıad Nama:     |              |                             |           |
| · ·                           |                       |               | osa Mount:   | ains NW 7.5-Minute Qua      | adrangles |
|                               |                       |               | OSA IVIOAITA | 41113 1444 7.5 Williate Que | arangies  |
| ☐ USDA Nat'l Res Conserv      | ation Service Soil Su | irvey Citatio | n:           |                             |           |
| National Wetlands Invent      | ntory Maps Cite       | Map Name:     |              |                             |           |
| State/Local Wetland Inv       | entory Maps           |               |              |                             |           |
| ☐ FEMA/FIR Maps               |                       |               |              |                             |           |
| ☐ 100-year Floodplain Ele     | vation is:            |               | (National (  | Geodetic Vertical Datum     | of 1929)  |
| Aerial Photographs (N         | •                     | -             |              | th 2008                     |           |
| Other Photographs (N          | ame and Date): Gr     | ound Photos;  | May 2012     |                             |           |
| ☐ Previous Determination      | s File No. and Dat    | e of Response | Letter:      |                             |           |
| ☐ Applicable/Supporting C     | ase Law Citation:     |               |              |                             |           |
| Applicable/Supporting S       | cientific Literature  | Citation:     |              |                             |           |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>MATION</u>      |                        |                                    |            |                      |
|---|--------------------|------------------------|------------------------------------|------------|----------------------|
| A. Report Completion Date for App   | oroved Jurisdic    | tional Determination   | n: 07/30/20:                       | 12         |                      |
| B. District Office and File No: Los   | Angeles Distric    | ct, File No. Pending   |                                    |            |                      |
| C. Project Location and Background  | d Information:     | Drainage Feature       | 47                                 |            |                      |
| City, County, State Sif Oidak Dis   | strict, Tohono     | O'odham Nation, Pir    | ma and Pinal Co                    | ounties, A | rizona               |
| Center coordinates of site: Lat.  | 32.5073            | Long111.9              | 100                                |            |                      |
| Name of nearest waterbody: Un   | named Wash 4       | .7                     |                                    |            |                      |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River      | between Powers Bu      | itte and Gillesp                   | ie Dam     |                      |
| ✓ Map/Diagram of potential juris  | dictional area i   | s available on reque   | est                                |            |                      |
| D. Review Performed for Site Evalu  | iation:            |                        |                                    |            |                      |
| Office Determination. Date:   |                    |                        |                                    |            |                      |
| Field Determination. Date: 05/  | 2012               |                        |                                    |            |                      |
| SECTION II: SUMMARY OF FINDIN   | GS                 |                        |                                    |            |                      |
| A. RHA Section 10 Determination   |                    |                        |                                    |            |                      |
| There Are No "navigable waters  | s of the U.S." w   | vithin RHA jurisdictio | on in the reviev                   | v area.    |                      |
| B. CWA Section 404 Determination  | on of Jurisdiction | on                     |                                    |            |                      |
| There Are No "waters of the   | ne U.S." within    | CWA jurisdiction in    | the review are                     | a.         |                      |
| 1. Waters of the US:  |                    |                        |                                    |            |                      |
| Linear Feet   |                    | Width (ft) and/or      |                                    | Acres      |                      |
| Limits of Jurisdiction based on:  |                    |                        |                                    |            |                      |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa                        |                    | etlands were assess    | ed and determ                      | ined not t | o be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a     | significant nexus wi   | •                                  | -          | •                    |
| SECTION III: CWA ANALYSIS   |                    |                        |                                    |            |                      |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs        |                        |                                    |            |                      |
| 1. Identified TNW:  |                    |                        |                                    |            |                      |
| Rationale for TNW determinate   | tion:              |                        |                                    |            |                      |
| 2. Rationale for conclusion tha   | nt any wetlands    | s present are "adjac   | ent":                              |            |                      |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY        | AND ITS ADJACENT       | WETLANDS                           |            |                      |
| TNW Watershed Size (sq mi):   | 49650              | Tributaries flo        |                                    |            | 4                    |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                | 0.00118<br>8.5     |                        | om tributary to<br>om tributary to |            | 30 (or more)         |
| Average Annual Snowfall (in):   | 0.5                |                        | rom tributary to                   |            | 30 (or more)         |
| J ().   |                    |                        | rom tributary t                    |            |                      |
| ☐ Project waters cross or serv  | ve as state bou    | ndaries. Explain:      |                                    |            |                      |

Feature ID: 47

| dentify flow route to  | TNW:  |                     |              |              |         |            |  |
|--|---|---------------------|--------------|--------------|---------|------------|--|
| Unnamed drainages suggests the most lik River.                               |   | •                   |              | •            | •       |            |  |
| Tributary is: Natural  |   | Explain:            |              |              |         |            |  |
| Average Width (ft):  | 10.30   |                     |              |              |         |            |  |
| Average Depth (ft):  | 1   |                     |              |              |         |            |  |
|  |   |                     |              |              |         |            |  |
| Average Side Slopes:<br>Primary tributary sub                                |   | ompositio           | n (check all | that apply): |         |            |  |
| Primary tributary sub  ☑ Silts ☐ Sands                                       | ostrate co  | Cobbles             | Bedro        | , , , ,      | ⁄el □'  | Vegetation |  |
| Primary tributary sub  ☑ Silts ☐ Sands                                       | ostrate co  | ·                   | Bedro        |              | vel □'  | Vegetation |  |
| Primary tributary sub  ☑ Silts ☐ Sands                                       | ostrate co  | Cobbles<br>Other, E | Bedro        |              | ∕el □ ' | Vegetation |  |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N  Tributary Condition/S | ostrate co  | Cobbles Other, E    | ☐ Bedro      |              |         | Vegetation |  |
| Primary tributary sub  ✓ Silts ☐ Sands  ☐ Concrete ☐ N                       | ostrate constrate constrate constraints  Muck Stability.  Je/Pool Constraints | Cobbles Other, E    | Bedro        | ck 🗹 Grav    |         | Vegetation |  |

| (c) Flow:                  |                       |   |  |             |            |               |  |
|----------------------------|-----------------------|---|--|-------------|------------|---------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average Flow Events per year:             |  |             | 2-5        |               |  |
| Describe Flow Regime:      | Ephemeral             | Other Information on Duration and Volume: |  |             |            | Volume:       |  |
| Surface Flow is:           | Confined              | Characteristics:                          |  |             |            |               |  |
| Subsurface Flow:           | No                    | Explain:                                  |  |             |            |               |  |
| Tributary Has:             |                       |   |  |             |            |               |  |
| ☐ Bed and Banks            |                       |   |  |             |            |               |  |
| ✓ OHWM: OHWM Inc           | dicators:             |   |  |             |            |               |  |
| ☐ Clear, natural line i    | impressed on the bank | :   | /egetatio  | on matted   | down, b    | ent or absent |  |
| ✓ Changes in soil cha      | racter                |   | eaf litte  | r disturbed | d or was   | hed away      |  |
| ☐ Shelving                 |                       | □ P                                       | resence  | of litter a | nd debri   | S             |  |
| ☐ Sediment deposition      | on                    | ✓ [                                       | )<br>estructi  | on of terr  | estrial ve | egetation     |  |
| ✓ Sediment sorting         |                       |   | Abrupt cl  | nange in p  | lant com   | nmunity       |  |
| ☐ Scour                    |                       |   | $\ \square$ Multiple observed or predicted flow events |             |            |               |  |
| ☐ Presence of wrack        | line                  | □ <b>\</b>                                | Vater sta  | aining      |            |               |  |
| Other (list):              |                       |   |  |             |            |               |  |
| ☐ Discontinuous? Ex        | rplain:               |   |  |             |            |               |  |
| (iii) Chemical Characteris | tics:                 |   |  |             |            |               |  |
| Characterize Tributa       | ry:                   |   |  |             |            |               |  |
| Identify Specific Poll     | •                     |   |  |             |            |               |  |
| , ,                        | ,                     |   |  |             |            |               |  |
|                            |                       |   |  |             |            |               |  |
|                            |                       |   |  |             |            |               |  |
|                            |                       |   |  |             |            |               |  |

| Feature ID: 47  |        |
|---|--------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                       |        |
| Riparian Corridor Characteristics:  |        |
| ☐ Wetland Fringe Characteristics:   |        |
| Habitat for:  |        |
| ☐ Federally Listed Species Explain:   |        |
| ☐ Fish/Spawn Areas Explain:   |        |
| ☐ Other environmentally -sensitive species Explain:   |        |
| ☐ Aquatic/Wildlife diversity Explain:   |        |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                    |        |
| (i) Physical Characteristics:   |        |
| Wetland Size (ac): Wetland Type, Explain:   |        |
| Wetland Quality, Explain:   |        |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |        |
| Wetland Flow is: Explain:   |        |
| Surface Flow is: Characteristics:   |        |
| Subsurface Flow: Explain Findings:  |        |
| ☐ Wetland Directly Abutting Non-TNW   |        |
| ☐ Wetland Not Directly Abutting Non-TNW   |        |
| ☐ Discrete wetland hydrologic connection Explain:   |        |
| ☐ Ecologcal connection Explain:   |        |
| ☐ Separated by berm/barrier Explain:  |        |
| Project Wetlands: River Miles from TNW:   |        |
| Project Wetlands: Aerial Miles from TNW:  |        |
| Flow is From:   |        |
| Approximate Location of Wetland within Floodplain:  |        |
| (ii) Chemical Characteristics:  |        |
| Characterize Wetland System:  |        |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                      |        |
|   |        |
| ☐ Riparian Buffer Explain: ☐ Vegetation type/percent cover. Explain:  |        |
| Habitat for:  |        |
| Federally Listed Species Explain:   |        |
| ☐ Fish/Spawn Areas Explain:   |        |
| ☐ Other environmentally-sensitive species Explain:  |        |
| Aquatic/Wildlife Diversity Explain:   |        |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                   |        |
|   |        |
| All wetland(s) considered in cumulative analysis:   |        |
| Wetland acres in total being considered in cumulative analysis:   | .: \   |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical funct | ions): |
|   |        |
|   |        |

| SIGNIFICANT NEXUS DETERMINATION  |  |
|--|--|
| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows direct into TNW. Explain:  | ly or indirectly   |
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest T between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and poten discharges, in combination with the geomorphology of the Analysis Area, the presence of a downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW possibility of a hydrologic connection between this drainage and the TNW is tenuous. No possibility of a hydrologic connection between this drainage and the TNW is tenuous. No possibility of a hydrologic connection between this drainage and the TNW is tenuous. No possibility of a hydrologic connection between this drainage and the TNW is tenuous. No possibility of a hydrologic connection between this drainage and the TNW is tenuous. No possibility of a hydrologic connection between this drainage and the TNW is tenuous. No possibility of a hydrologic connection between this drainage and the TNW is tenuous. No possibility of a hydrologic connection between this drainage and the TNW is tenuous. No possibility of a hydrologic connection between this drainage and the TNW is tenuous. No possibility of a hydrologic connection between this drainage and the TNW is unnamed ephemeral drainage does not possible the transfer of the TNW. Therefore, this unnamed ephemeral drainage does not possible the TNW reach of the Gila River between Powers Butte and Gillespie Dam. | atial flood<br>a significant<br>f, suggests that the<br>collutants or<br>meral drainage<br>a the TNW. This<br>emical, and/or |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW or indirectly into TNW. Explain:  | / flows directly   |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly ab Explain:   | ut the RPW.  |
| DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS AR  | E  |
| 1. TNWs and Adjacent Wetlands  |  |
| ☐ TNWs: Linear Feet Width (ft), Or,  | Acres  |
| ■ Wetlands adjacent to TNWs: Acres   | 7.67.63  |
| Reserved for Section III D 2 (RPWs):   |  |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  |  |
| <ul> <li>□ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a s with a TNW, and is therfore jurisdictional.</li> <li>Length (Linear Feet):</li> <li>Width (feet):</li> </ul> Acres:  | ignficant nexus  |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |  |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |  |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   |  |
| ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other ad has a significant nexus with the TNW.   | jacent wetlands,   |
| Estimated size of jurisdictional wetland (in acres):   |  |
| 7. Impoundments of jurisdictional waters.  |  |
| Demonstration of Jurisdiction:   |  |
| . ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DEST<br>WHICH COULD AFFECT INTERSTATE COMMERCE   | TRUCTION OF  |
|  |  |
| Supporting rationale:  |  |

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 47   |   |  |
|--|---|--|
| As described in Section 3C possess a significant nexus   | C1 above, an analysis of this ephemeral drainage determined that it did not us with the nearest TNW.                                    |  |
| Explain finding of Other:  |   |  |
| ✓ Non-wetland waters   | 3194.26 linear feet (ft), 10.30 width (ft)  |  |
| ☐ Other waters   | acres   |  |
| ☐ Wetlands   | acres   |  |
| SECTION IV: DATA SOURCES   |   |  |
| ✓ Data Sheets Prepared/ ☐ Office Concurs with  | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. /Submitted on behalf of Applicant h delineation oncur with delineation |  |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | er Study<br>Hydrologic Atlas  |  |
| ·  | Map(s) Scale and Quad Name: tains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                 |  |
| ☐ USDA Nat'l Res Conser  | rvation Service Soil Survey Citation:   |  |
| ☐ National Wetlands Inv  |   |  |
| <ul><li>☐ State/Local Wetland Ir</li><li>☐ FEMA/FIR Maps</li></ul>   | nventory Maps   |  |
| ☐ 100-year Floodplain El   | levation is: (National Geodetic Vertical Datum of 1929)   |  |
| ·  | (Name and Date): BING, Microsoft Virtual Earth 2008   |  |
| ✓ Other Photographs (  | (Name and Date): Ground Photos; May 2012  |  |
| Previous Determination   | ons File No. and Date of Response Letter:   |  |
| Applicable/Supporting  |   |  |
| ☐ Applicable/Supporting  |   |  |
| Other Information, Ple   | ease specify:   |  |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>    |                 |                                      |                  |                       |
|---|------------------|-----------------|--------------------------------------|------------------|-----------------------|
| A. Report Completion Date for App   | oroved Jurisdic  | ctional Determ  | ination: 07/3                        | 30/2012          |                       |
| B. District Office and File No: Los   | Angeles Distri   | ct, File No. Pe | nding                                |                  |                       |
| C. Project Location and Background  | d Information:   | : Drainage F    | eature 47A                           |                  |                       |
| City, County, State Sif Oidak Dis   | strict, Tohono   | O'odham Nati    | ion, Pima and P                      | inal Counties, A | Arizona               |
| Center coordinates of site: Lat.  | 32.5073          | Long.           | -111.9100                            |                  |                       |
| Name of nearest waterbody: Un   | named Wash       | 47A             |                                      |                  |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                  | W: Gila River    | between Pow     | ers Butte and G                      | Gillespie Dam    |                       |
| ✓ Map/Diagram of potential juris  | dictional area   | is available on | request                              |                  |                       |
| D. Review Performed for Site Evalu  | ation:           |                 |                                      |                  |                       |
| Office Determination. Date:   |                  |                 |                                      |                  |                       |
| Field Determination. Date: 05/2   | 2012             |                 |                                      |                  |                       |
| SECTION II: SUMMARY OF FINDIN   | GS               |                 |                                      |                  |                       |
| A. RHA Section 10 Determination   |                  | 1               |                                      |                  |                       |
| There Are No "navigable waters  | s of the U.S." v | within RHA jur  | isdiction in the                     | review area.     |                       |
| B. CWA Section 404 Determination  | on of Jurisdicti | on              |                                      |                  |                       |
| There Are No "waters of the   | ne U.S." within  | CWA jurisdict   | tion in the revie                    | w area.          |                       |
| 1. Waters of the US:  |                  |                 |                                      |                  |                       |
| Linear Feet   |                  | Width (ft) ar   | nd/or                                | Acres            |                       |
| Limits of Jurisdiction based on:  |                  |                 |                                      |                  |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                  | vetlands were   | assessed and do                      | etermined not    | to he jurisdictional: |
|   |                  |                 |                                      |                  | <u> </u>              |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne   | it possessed a   | significant ne  | xus with a dow                       | •                | • ,                   |
| SECTION III: CWA ANALYSIS   |                  |                 |                                      |                  |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs       |                 |                                      |                  |                       |
| 1. Identified TNW:  |                  |                 |                                      |                  |                       |
| Rationale for TNW determinat  | ion:             |                 |                                      |                  |                       |
| 2. Rationale for conclusion tha   | it any wetland   | ls present are  | "adjacent":                          |                  |                       |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY      | AND ITS ADJA    | CENT WETLAND                         | OS               |                       |
| TNW Watershed Size (sq mi):   | 49650            |                 | ries flow to TN                      |                  | 4                     |
| Drainage Area (sq mi):  | 0.00050          |                 | Ailes from tribu                     | •                | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                           | 8.5<br>0         |                 | Ոiles from tribu<br>Miles from tribւ | •                | 30 (or more)          |
| Average Alliluai Siluwiaii (III).   | U                |                 | Miles from tribu                     | •                | 30 (of filore)        |
| ☐ Project waters cross or serv  | ve as state bou  |                 | plain:                               | <u> </u>         |                       |

Feature ID: 47A

| dentify flow route to                                   | NW:  |
|---|--|
| •   | hin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topograph route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural                                   | Explain:   |
| Average Width (ft):                                     | 0.42   |
| Average Depth (ft):                                     |  |
| Average Side Slopes:                                    | 1  |
|   | ate composition (check all that apply):  |
| Primary tributary subs  ✓ Silts ☐ Sands  ☐ Concrete ☐ M | ate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ✔ Gravel ☐ Vegetation   |
| ✓ Silts □ Sands   | ate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation ck Other, Explain:  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/St  | ate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation ck Other, Explain:  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/St  | ate composition (check all that apply):  Cobbles Bedrock Gravel Vegetation  Ck Other, Explain:  Dility. Explain: Stable  |

| (c) Flow:                  |                       |           |            |             |           |                  |  |
|----------------------------|-----------------------|-----------|------------|-------------|-----------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average   | Flow Eve   | ents per ye | ear:      | 2-5              |  |
| Describe Flow Regime:      | Ephemeral             | Other Inf | formatio   | n on Dura   | tion and  | d Volume:        |  |
| Surface Flow is:           | Confined              | Characte  | ristics:   |             |           |                  |  |
| Subsurface Flow:           | No                    | Explain:  |            |             |           |                  |  |
| Tributary Has:             |                       |           |            |             |           |                  |  |
| ☐ Bed and Banks            |                       |           |            |             |           |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:             |           |            |             |           |                  |  |
| ☐ Clear, natural line i    | impressed on the bank |           | /egetatio  | on matted   | down,     | bent or absent   |  |
| Changes in soil cha        | racter                |           | eaf litte. | r disturbe  | d or was  | shed away        |  |
| ☐ Shelving                 |                       | ☐ F       | resence    | of litter a | nd debr   | is               |  |
| ☐ Sediment deposition      | on                    | ✓ [       | Destruct   | ion of terr | estrial v | egetation        |  |
| ✓ Sediment sorting         |                       |           | Abrupt c   | hange in p  | lant cor  | nmunity          |  |
| ☐ Scour                    |                       |           | Multiple   | observed    | or predi  | cted flow events |  |
| ☐ Presence of wrack        | line                  | □ \       | Water st   | aining      |           |                  |  |
| Other (list):              |                       |           |            |             |           |                  |  |
| ☐ Discontinuous? Ex        | rplain:               |           |            |             |           |                  |  |
| (iii) Chemical Characteris | tics:                 |           |            |             |           |                  |  |
| Characterize Tributa       | ry:                   |           |            |             |           |                  |  |
| Identify Specific Poll     | utants, if known:     |           |            |             |           |                  |  |
|                            |                       |           |            |             |           |                  |  |
|                            |                       |           |            |             |           |                  |  |
|                            |                       |           |            |             |           |                  |  |
|                            |                       |           |            |             |           |                  |  |

| iv) Biological Characterist   | ics. Channel supports (check all that apply):                          |
|---|--|
| ☐ Riparian Corridor(  | Characteristics:   |
| ☐ Wetland Fringe Ch   | aracteristics:   |
| Habitat for:  |  |
| ☐ Federally Listed Spe  | ecies Explain:   |
| ☐ Fish/Spawn Areas  | Explain:   |
| ☐ Other environment   | cally -sensitive species Explain:                                      |
| ☐ Aquatic/Wildlife div  | versity Explain:   |
| 2 Charactaristics of wetls  | ands adjacent to you TNNA/ that flow divastly or indivestly into TNNA/ |
| (i) Physical Characteristics  | ands adjacent to non-TNW that flow directly or indirectly into TNW ::  |
| Wetland Size (ac):  | Wetland Type, Explain:   |
| Wetland Quality, Expla  | ain:   |
| Project Wetlands Cros   | ss or Serve as State Boundaries, Explain:                              |
| Wetland Flow is:  | Explain:   |
| Surface Flow is:  | Characteristics:   |
| Subsurface Flow:  | Explain Findings:  |
| <ul><li>☐ Wetland Directly Al</li><li>☐ Wetland Not Direct</li></ul>                        | tly Abutting Non-TNW   |
|   | hydrologic connection Explain:   |
| Ecologcal connect   |  |
| ☐ Separated by ber  |  |
| Project Wetlands: Rive  |  |
| Project Wetlands: Aer   | ial Miles from TNW:  |
| Flow is From:   | of Watland within Flandalain.  |
|   | of Wetland within Floodplain:  |
| (ii) Chemical Characteristic  | cs:  |
| Characterize Wetland  | System:  |
| iii) Biological Characterist  | tics. Wetland supports (check all that apply):                         |
| ☐ Riparian Buffer E   | xplain:  |
| ·   | percent cover. Explain:  |
| Habitat for:  |  |
| ☐ Federally Listed S  | Species Explain:   |
| ☐ Fish/Spawn Area   | s Explain:   |
| _   | entally-sensitive species Explain:                                     |
| $\sqcup$ Other environme  |  |
| $\sqcup$ Other environme $\square$ Aquatic/Wildlife   | Diversity Explain:   |
| ☐ Aquatic/Wildlife  | Diversity Explain: etlands adjacent to the non-TNW tributary (if any)  |
| ☐ Aquatic/Wildlife  3. Characteristics of all we  | etlands adjacent to the non-TNW tributary (if any)                     |
| <ul><li>Aquatic/Wildlife</li><li>Characteristics of all we All wetland(s) conside</li></ul> |  |

| <ol> <li>Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indinto TNW. Explain:         This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a signific downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggest possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutant critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNV drainage does not have more than a speculative or insubstantial effect on the physical, chemical, a biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a sinexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.     </li> <li>Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows dor indirectly into TNW. Explain:</li> <li>Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RI Explain:</li> <li>DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE</li> <li>TNWs and Adjacent Wetlands</li> </ol> | e Gila Rive d cant cts that the ts or ainage W. This and/or significant |
|--|---|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a signific downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggest possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutant critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage and the TNW drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW drainage does not have more than a speculative or insubstantial effect on the physical, chemical, a biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a sinexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows dor indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RI Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  | d cant cts that the ts or ainage W. This and/or cignificant             |
| or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RI Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   | ·   |
| Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  | PW.   |
| D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |   |
| ☐ TNWs: Linear Feet Width (ft), Or, Acres  ☐ Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  |   |
|  |   |
| <ul> <li>3. Non-RPWs that flow directly or indirectly into TNWs.</li> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant with a TNW, and is therfore jurisdictional.</li> <li>Length (Linear Feet):</li> <li>Width (feet):</li> </ul> Acres:  | t nexus   |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |   |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |   |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   |   |
| ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent w has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):   | etlands,  |
| 7. Impoundments of jurisdictional waters.  |   |
| Demonstration of Jurisdiction:   |   |
| E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION WHICH COULD AFFECT INTERSTATE COMMERCE  | N OF  |

### F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 47A   |   |               |               |                         |            |
|---|---|---------------|---------------|-------------------------|------------|
| As described in Section 3C1 possess a significant nexus v |   | •             | meral draina  | ge determined that it d | lid not    |
| Explain finding of Other:                                 |   |               |               |                         |            |
| ✓ Non-wetland waters                                      | 1333.55 line                            | ar feet (ft), | 10.42         | width (ft)              |            |
| ☐ Other waters  | acre                                    | es            |               |                         |            |
| ☐ Wetlands  | acre                                    | es            |               |                         |            |
| SECTION IV: DATA SOURCES                                  |   |               |               |                         |            |
| ✓ Maps, Plans, Plots or Pla                               | it Submitted by A                       | pplicant/Con  | sultant: Wo   | estLand Resources, Inc  |            |
| ✓ Data Sheets Prepared/S                                  | ubmitted on behalf                      | of Applicant  |               | ·                       |            |
| ☐ Office Concurs with o                                   | delineation                             |               |               |                         |            |
| ☐ Office Does Not Cond                                    | cur with delineation                    | 1             |               |                         |            |
| ☐ Data Sheets Prepared by                                 | the Corps                               |               |               |                         |            |
| ☐ Corps Navigable Water S                                 | •                                       |               |               |                         |            |
| ☐ US Geological Survey Hy                                 | drologic Atlas                          |               |               |                         |            |
| USGS NHD Data   |   |               |               |                         |            |
| ☐ USGS 8 and 12 digit                                     | HUC Map                                 |               |               |                         |            |
| _   |   |               |               |                         |            |
| ✓ US Geological Survey Ma                                 | • |               | Daga Mayust   | taina NIM/ 7 F Minuta O |            |
| Sliver Reet Mountain                                      | is SE, North Komeli                     | ik, and Santa | Rosa Mount    | tains NW 7.5-Minute Q   | uadrangies |
| ☐ USDA Nat'l Res Conserva                                 | ation Service Soil Sι                   | ırvey Citat   | ion:          |                         |            |
| $\square$ National Wetlands Inver                         | ntory Maps Cite                         | Map Name:     |               |                         |            |
| $\square$ State/Local Wetland Inv                         | entory Maps                             |               |               |                         |            |
| ☐ FEMA/FIR Maps   |   |               |               |                         |            |
| $\square$ 100-year Floodplain Elev                        | ation is:                               |               | (National     | Geodetic Vertical Datu  | m of 1929) |
| Aerial Photographs (Na                                    | ame and Date): Bl                       | NG, Microsof  | t Virtual Ear | th 2008                 |            |
| ✓ Other Photographs (Na                                   | ame and Date): Gr                       | ound Photos   | ; May 2012    |                         |            |
| ☐ Previous Determinations                                 | File No. and Dat                        | e of Respons  | se Letter:    |                         |            |
| ☐ Applicable/Supporting C                                 | ase Law Citation:                       |               |               |                         |            |
| ☐ Applicable/Supporting S                                 | cientific Literature                    | Citation:     |               |                         |            |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>    |  |                  |                           |
|---|------------------|--|------------------|---------------------------|
| A. Report Completion Date for App   | roved Jurisdic   | tional Determination:                  | 07/30/2012       |                           |
| B. District Office and File No: Los   |                  |  |                  |                           |
| C. Project Location and Background  | d Information:   | Drainage Feature 47                    | 7B               |                           |
| City, County, State Sif Oidak Dis   | strict, Tohono   | O'odham Nation, Pima                   | and Pinal Count  | ies, Arizona              |
| Center coordinates of site: Lat.  | 32.5073          | Long111.9100                           | )                |                           |
| Name of nearest waterbody: Unr  | named Wash 4     | 17B                                    |                  |                           |
| Name of nearest downstream TNV  | W: Gila River    | between Powers Butte                   | and Gillespie Da | am                        |
| HUC Code: 15050306  |                  |  |                  |                           |
| ✓ Map/Diagram of potential juriso   | dictional area   | is available on request                |                  |                           |
| D. Review Performed for Site Evalu  | ation:           |  |                  |                           |
| Office Determination. Date:   |                  |  |                  |                           |
| Field Determination. Date: 05/2   | 2012             |  |                  |                           |
| SECTION II: SUMMARY OF FINDING  | <u>GS</u>        |  |                  |                           |
| A. RHA Section 10 Determination   | of Jurisdiction  | 1                                      |                  |                           |
| There Are No "navigable waters  | of the U.S." v   | vithin RHA jurisdiction i              | n the review are | ea.                       |
| B. CWA Section 404 Determinatio   | n of Jurisdictio | on                                     |                  |                           |
|   |                  | CWA jurisdiction in the                | review area.     |                           |
| 1. Waters of the US:  |                  | •                                      |                  |                           |
| Linear Feet   |                  | Width (ft) and/or                      | Acre             | S                         |
| Limits of Jurisdiction based on:  |                  | ( ), , -                               |                  | -                         |
| 2. Non-Regulated Waters/Wetl  | lands            |  |                  |                           |
| ✓ Potentially jurisdictional wa   |                  | etlands were assessed a                | and determined   | not to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a   | significant nexus with a               |                  |                           |
| SECTION III: CWA ANALYSIS   |                  |  |                  |                           |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs       |  |                  |                           |
| 1. Identified TNW:  |                  |  |                  |                           |
| Rationale for TNW determinat  | ion:             |  |                  |                           |
| 2. Rationale for conclusion tha   | t any wetland    | s present are "adjacent                | ":               |                           |
| B. CHARACTERISTICS OF NON-TN\   | N TRIBUTARY      | AND ITS ADJACENT WE                    | TLANDS           |                           |
| TNW Watershed Size (sq mi):   | 49650            | Tributaries flow                       | to TNW:          | 4                         |
| Drainage Area (sq mi):  | 0.00035          | River Miles from                       | tributary to TN  | W: 30 (or more)           |
| Average Annual Rainfall (in):   | 8.5              | River Miles from                       | tributary to RP  | W:                        |
| Average Annual Snowfall (in):   | 0                | Aerial Miles fron<br>Aerial Miles fron | •                |                           |
| ☐ Project waters cross or serv  | e as state bou   |  | T CIDULATY TO KE | •••                       |

Feature ID: 47B

| •  |                     | the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topograpute of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|--|---------------------|--|
| Tributary is: Natural  |                     | Explain:   |
| Average Width (ft):  | 8.30                |  |
| verage Depth (ft):   | 1                   |  |
|  |                     |  |
| •  | bstrate             | composition (check all that apply):  |
| Primary tributary su<br>☑ Silts ☐ Sand                                 | bstrate             | composition (check all that apply):  ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  Other, Explain:  |
| rimary tributary su  ✓ Silts ☐ Sand ☐ Concrete ☐                       | bstrate<br>s   Muck | Cobbles ☐ Bedrock ✔ Gravel ☐ Vegetation  Other, Explain:   |
| rimary tributary su Silts Sand Concrete  ributary Condition            | bstrate<br>s        | Cobbles ☐ Bedrock ✔ Gravel ☐ Vegetation  Other, Explain:   |
| Primary tributary su  ✓ Silts ☐ Sand ☐ Concrete ☐  Tributary Condition | bstrate<br>s        | Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  Other, Explain:  y. Explain: Stable   |

(c) Flow:

| Tributary Provides for:       | Ephemeral Flow        | Average    | Flow Eve   | ents per ye | ear:    | 2-5               |    |
|-------------------------------|-----------------------|------------|------------|-------------|---------|-------------------|----|
| Describe Flow Regime:         | Ephemeral             | Other Inf  | ormatio    | n on Dura   | tion ar | nd Volume:        |    |
| Surface Flow is:              | Confined              | Characte   | ristics:   |             |         |                   |    |
| Subsurface Flow:              | No                    | Explain:   |            |             |         |                   |    |
| Tributary Has:                |                       |            |            |             |         |                   |    |
| ☐ Bed and Banks               |                       |            |            |             |         |                   |    |
| ✓ OHWM: OHWM Ind              | dicators:             |            |            |             |         |                   |    |
| $\square$ Clear, natural line | impressed on the bank | □ \        | /egetatio  | on matted   | down    | bent or absent    |    |
| Changes in soil changes       | aracter               |            | eaf litte. | r disturbe  | d or wa | ashed away        |    |
| ☐ Shelving                    |                       | □ P        | resence    | of litter a | nd deb  | oris              |    |
| ☐ Sediment depositi           | on                    | <b>✓</b> [ | Destruct   | ion of terr | estrial | vegetation        |    |
| Sediment sorting              |                       |            | Abrupt c   | hange in p  | lant co | mmunity           |    |
| ☐ Scour                       |                       |            | Multiple   | observed    | or pred | dicted flow event | ts |
| ☐ Presence of wrack           | line                  | □ V        | Vater st   | aining      |         |                   |    |
| Other (list):                 |                       |            |            |             |         |                   |    |
| ☐ Discontinuous? Ex           | xplain:               |            |            |             |         |                   |    |
| (iii) Chemical Characteris    | stics:                |            |            |             |         |                   |    |
| Characterize Tributa          | ry:                   |            |            |             |         |                   |    |
| Identify Specific Poll        | •                     |            |            |             |         |                   |    |
| , ,                           | ,                     |            |            |             |         |                   |    |
|                               |                       |            |            |             |         |                   |    |
|                               |                       |            |            |             |         |                   |    |
|                               |                       |            |            |             |         |                   |    |

| Feature ID: 47B  |   |
|--|---|
| v) Biological Characteristi  | ics. Channel supports (check all that apply):                             |
| ☐ Riparian Corridor C  | Characteristics:  |
| ☐ Wetland Fringe Cha   | aracteristics:  |
| Habitat for:   |   |
| ☐ Federally Listed Spe   | ecies Explain:  |
| ☐ Fish/Spawn Areas   | Explain:  |
| ☐ Other environmenta   | ally -sensitive species Explain:  |
| $\square$ Aquatic/Wildlife div   | rersity Explain:  |
| 2 Characteristics of watla   | ands a discount to your TRIM/ that flow diverthy as indiverthy into TRIM/ |
| (i) Physical Characteristics:  | nds adjacent to non-TNW that flow directly or indirectly into TNW<br>:    |
| Wetland Size (ac):   | Wetland Type, Explain:  |
| Wetland Quality, Expla   | ain:  |
| Project Wetlands Cross   | s or Serve as State Boundaries, Explain:                                  |
| Wetland Flow is:   | Explain:  |
| Surface Flow is:   | Characteristics:  |
| Subsurface Flow:   | Explain Findings:   |
| ☐ Wetland Directly Ab  | outting Non-TNW   |
| ☐ Wetland Not Directl  | •   |
|  | hydrologic connection Explain:  |
| ☐ Ecologcal connec   | ction Explain:  |
| ☐ Separated by ber   | m/barrier Explain:  |
| Project Wetlands: Rive   | er Miles from TNW:  |
| Project Wetlands: Aeri   | ial Miles from TNW:   |
| Flow is From:  |   |
| Approximate Location   | of Wetland within Floodplain:   |
| ii) Chemical Characteristic  | CS:   |
| Characterize Wetland S   | System:   |
|  |   |
| -  | ics. Wetland supports (check all that apply):                             |
| Riparian Buffer Ex   |   |
|  | ercent cover. Explain:  |
| Habitat for:   | Section Familia.  |
| ☐ Federally Listed S   | ·   |
| ☐ Fish/Spawn Areas   | entally-sensitive species Explain:  |
|  | ,   |
|  |   |
| ☐ Aquatic/Wildlife I   |   |
| ☐ Aquatic/Wildlife I   | etlands adjacent to the non-TNW tributary (if any)                        |
| ☐ Aquatic/Wildlife I  3. Characteristics of all we   |   |
| <ul><li>Aquatic/Wildlife I</li><li>Characteristics of all we</li><li>All wetland(s) consider</li></ul> | etlands adjacent to the non-TNW tributary (if any)                        |

| SIGNIFICANT NEXUS DETERMIN  | IATION   |
|---|--|
| 1. Significant nexus findings for into TNW. Explain:  | non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gille discharges, in combination with downstream manmade impound possibility of a hydrologic connectical habitats were identified does not provide lifecycle suppodrainage does not have more the biological integrity of the TNW.   | age is located more than 100 river miles from the nearest TNW, the Gila River espie Dam. An analysis of peak yearly discharges and potential flood the geomorphology of the Analysis Area, the presence of a significant dment (Tat Momolikot Dam), and the distance to the TNW, suggests that the ection between this drainage and the TNW is tenuous. No pollutants or within the Analysis Area. Additionally, this unnamed ephemeral drainage ort functions, nutrients, or organic carbon to species within the TNW. This man a speculative or insubstantial effect on the physical, chemical, and/or Therefore, this unnamed ephemeral drainage does not possess a significant e Gila River between Powers Butte and Gillespie Dam.  |
| 2. Significant nexus findings for or indirectly into TNW. Explain:  | non-RPW and its adjacent wetlands, where the non-RPW flows directly:   |
| _   | wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| Explain:  |  |
|   | CTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| DETERMINATIONS OF JURISDIC  | CTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetland  | ·  |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetland  | dr Feet Width (ft), Or, Acres  |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetland  TNWs: Linea  Wetlands adjacent to TNWs  | Is ar Feet Width (ft), Or, Acres S: Acres  |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetland  TNWs: Linea   | Acres  Acres  Ws):   |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetland  TNWs:  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPV  3. Non-RPWs that flow directly   | Width (ft), Or,  Acres  Acres  Ws):  Y or indirectly into TNWs.  ody that flows directly or indirectly into a TNW and has a signficant nexus   |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetland  TNWs: Linea  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPN  3. Non-RPWs that flow directly  Non-TNW/non-RPW waterb   | Width (ft), Or,  Acres  Acres  Ws):  Y or indirectly into TNWs.  ody that flows directly or indirectly into a TNW and has a signficant nexus   |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetland  TNWs: Linea  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPN  3. Non-RPWs that flow directly  Non-TNW/non-RPW waterb with a TNW, and is therfore Length (Linear Feet):   | Acres  Acres  Width (ft), Or,  Acres  Ws):  For indirectly into TNWs.  Ody that flows directly or indirectly into a TNW and has a signficant nexus jurisdictional.   |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetland  TNWs:  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPN  3. Non-RPWs that flow directly  Non-TNW/non-RPW waterb with a TNW, and is therfore Length (Linear Feet):  Reserved for Section III D 4 (We   | Acres  Acres  Width (ft), Or,  Acres  Ws):  Or indirectly into TNWs.  ody that flows directly or indirectly into a TNW and has a signficant nexus jurisdictional.  Width (feet):  Acres:   |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetland  TNWs:  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPN  3. Non-RPWs that flow directly  Non-TNW/non-RPW waterb with a TNW, and is therfore Length (Linear Feet):  Reserved for Section III D 4 (We  Reserved for Section III D 5 (We   | Acres  Acres  Acres  Acres  Acres  Width (ft), Or,  Acres  Acres  Ws):  For indirectly into TNWs.  Ody that flows directly or indirectly into a TNW and has a signficant nexus jurisdictional.  Width (feet):  Acres:  etlands directly abutting RPWs):  |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetland  TNWs:  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPN  3. Non-RPWs that flow directly  Non-TNW/non-RPW waterb with a TNW, and is therfore Length (Linear Feet):  Reserved for Section III D 4 (Work  Reserved for Section III D 5 (Work  6. Wetlands adjacent to non-Reserved   | Acres  Acres  Acres  Acres  Acres  Width (ft), Or,  Acres  Acres  Ws):  For indirectly into TNWs.  Ody that flows directly or indirectly into a TNW and has a signficant nexus jurisdictional.  Width (feet):  Acres:  etlands directly abutting RPWs):  etlands adjacent to but not directly abutting RPWs):  ACRES  ACRES  EVALUATION OF TOWARD ACRES  EVALUATION OF TOWARD ACRES  ACRES  ACRES  ACRES  EVALUATION OF TOWARD ACRES  ACRES  EVALUATION OF TOWARD ACRES  ACRES  ACRES  EVALUATION OF TOWARD ACRES  EVALUAT |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetland  TNWs:  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPN  3. Non-RPWs that flow directly  Non-TNW/non-RPW waterb with a TNW, and is therfore Length (Linear Feet):  Reserved for Section III D 4 (Work  Reserved for Section III D 5 (Work  6. Wetlands adjacent to non-RI  Wetland adjacent to non-RI                                     | Acres  Acres  Acres  Width (ft), Or,  Acres  Acres  Ws):  For indirectly into TNWs.  Ody that flows directly or indirectly into a TNW and has a signficant nexus jurisdictional.  Width (feet):  Acres:  Etlands directly abutting RPWs):  Etlands adjacent to but not directly abutting RPWs):  ACRES  ACRES  EVENT ACRES  ETLANDS ACRES  EVENT ACRES  EVENT ACRES  EVENT ACRES  EVENT ACRES  ACRES  ACRES  EVENT ACRES  EVENT ACRES  ACRES  ACRES  EVENT ACRES  EVENT ACRES  ACRES  ACRES  EVENT ACR |
| DETERMINATIONS OF JURISDIC  1. TNWs and Adjacent Wetland  TNWs:  Wetlands adjacent to TNWs  Reserved for Section III D 2 (RPN  3. Non-RPWs that flow directly  Non-TNW/non-RPW waterb with a TNW, and is therfore Length (Linear Feet):  Reserved for Section III D 4 (Work  Reserved for Section III D 5 (Work  6. Wetlands adjacent to non-Reserved and adjacent to non-Reserved has a significant nexus with | Acres  Acres  Width (ft), Or,  Acres  Acres  Ws):  For indirectly into TNWs.  Ody that flows directly or indirectly into a TNW and has a signficant nexus jurisdictional.  Width (feet):  Acres:  Etlands directly abutting RPWs):  Etlands adjacent to but not directly abutting RPWs):  ACRES  ACRES  ETROMORDO ACRES  |

# Length (linear feet): Acres:

**F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:** Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Featu    | ire ID: 47B   |   |   |              |                   |               |  |
|----------|---|---|---|--------------|-------------------|---------------|--|
|          | described in Section 30 ssess a significant nexu  |   | •   | meral draina | ge determined tha | at it did not |  |
| Ex       | plain finding of Other:   |   |   |              |                   |               |  |
|          | Non-wetland waters<br>Other waters<br>Wetlands  |   | linear feet (ft),<br>acres<br>acres       | 8.30         | width (ft)        |               |  |
| SECTIO   | ON IV: DATA SOURCES   |   |   |              |                   |               |  |
|          | Maps, Plans, Plots or F Data Sheets Prepared, Office Concurs with Office Does Not Co Data Sheets Prepared Corps Navigable Wate US Geological Survey F USGS NHD Data USGS 8 and 12 dig US Geological Survey F Silver Reef Mounts | 'Submitted on belowed to delineation on the corps of the | half of Applicant<br>tion<br>d Quad Name: |              |                   |               |  |
|          | USDA Nat'l Res Conser<br>National Wetlands Inv<br>State/Local Wetland In<br>FEMA/FIR Maps<br>100-year Floodplain El   | evation Service So<br>entory Maps Conventory Maps<br>evation is:  | il Survey Citat<br>Cite Map Name:         | ion:         | Geodetic Vertical |               |  |
| <b>✓</b> | Aerial Photographs ( Other Photographs (  |   |   |              | th 2008           |               |  |
|          | Previous Determination  | -   |   |              |                   |               |  |
|          | Applicable/Supporting   |   | •   |              |                   |               |  |
|          | Applicable/Supporting   | Scientific Literatu   | ire Citation:                             |              |                   |               |  |

Other Information, Please Specify:

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>    |                            |                                      |                       |
|--|------------------|----------------------------|--------------------------------------|-----------------------|
| A. Report Completion Date for App  | roved Jurisdict  | tional Determination:      | 07/30/2012                           |                       |
| B. District Office and File No: Los  | Angeles Distric  | t, File No. Pending        |                                      |                       |
| C. Project Location and Background   | d Information:   | Drainage Feature 48        | 3                                    |                       |
| City, County, State Sif Oidak Dis  | trict, Tohono (  | O'odham Nation, Pima       | and Pinal Counties,                  | Arizona               |
| Center coordinates of site: Lat. 3   | 32.5073          | Long111.9100               |                                      |                       |
| Name of nearest waterbody: Unr   | named Wash 4     | 8                          |                                      |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | V: Gila River    | between Powers Butte       | and Gillespie Dam                    |                       |
| ✓ Map/Diagram of potential juriso  | dictional area i | s available on request     |                                      |                       |
| D. Review Performed for Site Evalu   | ation:           |                            |                                      |                       |
| Office Determination. Date:  |                  |                            |                                      |                       |
| Field Determination. Date: 05/2  | 2012             |                            |                                      |                       |
| SECTION II: SUMMARY OF FINDING   | GS               |                            |                                      |                       |
| A. RHA Section 10 Determination  |                  |                            |                                      |                       |
| There Are No "navigable waters   | of the U.S." w   | vithin RHA jurisdiction in | n the review area.                   |                       |
| B. CWA Section 404 Determinatio  | n of Jurisdictio | on                         |                                      |                       |
| There Are No "waters of the  | e U.S." within   | CWA jurisdiction in the    | review area.                         |                       |
| 1. Waters of the US:   |                  |                            |                                      |                       |
| Linear Feet  |                  | Width (ft) and/or          | Acres                                |                       |
| Limits of Jurisdiction based on:   |                  |                            |                                      |                       |
| <ol> <li>Non-Regulated Waters/Wetl</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                  | etlands were assessed a    | and determined not                   | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne    | it possessed a   | significant nexus with a   |                                      |                       |
| SECTION III: CWA ANALYSIS  |                  |                            |                                      |                       |
| A. TNWs AND WETLANDS ADJACE  | NT TO TNWs       |                            |                                      |                       |
| 1. Identified TNW:   |                  |                            |                                      |                       |
| Rationale for TNW determinat   | ion:             |                            |                                      |                       |
| 2. Rationale for conclusion tha  | t any wetlands   | s present are "adjacent    | ·.                                   |                       |
| B. CHARACTERISTICS OF NON-TNV  | N TRIBUTARY      | AND ITS ADJACENT WE        | ΓLANDS                               |                       |
| TNW Watershed Size (sq mi):  | 49650            | Tributaries flow           |                                      | 4                     |
| Drainage Area (sq mi):   | 0.00037          |                            | tributary to TNW:                    | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                            | 8.5<br>0         |                            | tributary to RPW:  tributary to TNW: | 30 (or more)          |
| Average Annual Showlan (III).  | U                |                            | tributary to RPW:                    | 30 (01 111016)        |
| ☐ Project waters cross or serv   | e as state bou   |                            | •                                    |                       |

Feature ID: 48

| eature ID: 48          |   |
|------------------------|---|
| Identify flow route to | TNW:  |
|                        | ithin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography y route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural  | Explain:  |
| Average Width (ft):    | 8.89  |
| Average Depth (ft):    | 1   |
| Average Side Slopes:   | 2:1   |
| ✓ Silts ☐ Sands        | trate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  uck Other, Explain:   |
| Tributary Condition/S  | ability. Explain: Stable  |
| Presence of Run/Riffl  | /Pool Complexes. Explain: Not Present   |
| Tributary Geometry:    | Relatively Straight   |
| Tributary Gradient (a  | proximate average slope): 2%  |
|                        |   |

| (c) Flow:                  |                       |                  |            |             |           |                   |
|----------------------------|-----------------------|------------------|------------|-------------|-----------|-------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Eve   | ents per ye | ear:      | 2-5               |
| Describe Flow Regime:      | · ·                   | _                |            |             |           | d Volume:         |
| Surface Flow is:           | Confined              | Characteristics: |            |             |           |                   |
| Subsurface Flow:           | No                    | Explain:         |            |             |           |                   |
| Tributary Has:             |                       |                  |            |             |           |                   |
|                            |                       |                  |            |             |           |                   |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |            |             |           |                   |
| ☐ Clear, natural line      | impressed on the bank |                  | /egetatio  | on matted   | down,     | bent or absent    |
| ✓ Changes in soil cha      | aracter               |                  | eaf litte. | r disturbe  | d or was  | shed away         |
| ☐ Shelving                 |                       | ☐ F              | resence    | of litter a | nd debr   | ris               |
| ☐ Sediment deposition      | on                    | ✓ [              | Destructi  | ion of terr | estrial v | regetation        |
| ✓ Sediment sorting         |                       |                  | Abrupt cl  | hange in p  | lant cor  | nmunity           |
| ☐ Scour                    |                       |                  | Multiple   | observed    | or predi  | icted flow events |
| ☐ Presence of wrack        | line                  |                  | Water st   | aining      |           |                   |
| Other (list):              |                       |                  |            |             |           |                   |
| ☐ Discontinuous? Ex        | xplain:               |                  |            |             |           |                   |
| (iii) Chemical Characteris | stics:                |                  |            |             |           |                   |
| Characterize Tributa       | ry:                   |                  |            |             |           |                   |
| Identify Specific Poll     | utants, if known:     |                  |            |             |           |                   |
|                            |                       |                  |            |             |           |                   |
|                            |                       |                  |            |             |           |                   |
|                            |                       |                  |            |             |           |                   |
|                            |                       |                  |            |             |           |                   |

| Feature ID: 48   |                    |
|--|--------------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                            |                    |
| Riparian Corridor Characteristics:   |                    |
| ☐ Wetland Fringe Characteristics:  |                    |
| Habitat for:   |                    |
| ☐ Federally Listed Species Explain:  |                    |
| ☐ Fish/Spawn Areas Explain:  |                    |
| ☐ Other environmentally -sensitive species   |                    |
| ☐ Aquatic/Wildlife diversity Explain:  |                    |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW         |                    |
| (i) Physical Characteristics:  |                    |
| Wetland Size (ac): Wetland Type, Explain:  |                    |
| Wetland Quality, Explain:  |                    |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |                    |
| Wetland Flow is: Explain:  |                    |
| Surface Flow is: Characteristics:  |                    |
| Subsurface Flow: Explain Findings:   |                    |
| ☐ Wetland Directly Abutting Non-TNW  |                    |
| ☐ Wetland Not Directly Abutting Non-TNW  |                    |
| ☐ Discrete wetland hydrologic connection Explain:  |                    |
| ☐ Ecological connection Explain:   |                    |
| ☐ Separated by berm/barrier Explain:   |                    |
| Project Wetlands: River Miles from TNW:  |                    |
| Project Wetlands: Aerial Miles from TNW:   |                    |
| Flow is From:  |                    |
| Approximate Location of Wetland within Floodplain:   |                    |
| (ii) Chemical Characteristics:   |                    |
| Characterize Wetland System:   |                    |
|  |                    |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                           |                    |
| Riparian Buffer Explain:   |                    |
| ☐ Vegetation type/percent cover. Explain:  Habitat for:  |                    |
| Federally Listed Species Explain:  |                    |
| ☐ Fish/Spawn Areas Explain:  |                    |
| ☐ Other environmentally-sensitive species Explain:   |                    |
| ☐ Aquatic/Wildlife Diversity Explain:  |                    |
|  |                    |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                        |                    |
| All wetland(s) considered in cumulative analysis:  |                    |
| Wetland acres in total being considered in cumulative analysis:                                      |                    |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or phy | rsical functions): |
|  |                    |
|  |                    |

| SIGNIFICANT NEXUS DETERMINAT   | ION  |
|--|--|
| 1. Significant nexus findings for no into TNW. Explain:  | n-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gillesp discharges, in combination with th downstream manmade impoundm possibility of a hydrologic connectic critical habitats were identified wit does not provide lifecycle support drainage does not have more than biological integrity of the TNW. The | is located more than 100 river miles from the nearest TNW, the Gila River ie Dam. An analysis of peak yearly discharges and potential flood is geomorphology of the Analysis Area, the presence of a significant ent (Tat Momolikot Dam), and the distance to the TNW, suggests that the on between this drainage and the TNW is tenuous. No pollutants or hin the Analysis Area. Additionally, this unnamed ephemeral drainage functions, nutrients, or organic carbon to species within the TNW. This a speculative or insubstantial effect on the physical, chemical, and/or erefore, this unnamed ephemeral drainage does not possess a significant sila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for no or indirectly into TNW. Explain:  | on-RPW and its adjacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for w Explain:   | etlands adjacent to an RPW but that do not directly abut the RPW.  |
| DETERMINATIONS OF HIRISDICTION   | ONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| 1. TNWs and Adjacent Wetlands  | STALL THE SOURCE WATERS, WETLANDS ARE  |
| ☐ TNWs: Linear F   | eet Width (ft), Or, Acres  |
| Wetlands adjacent to TNWs:   | Acres  |
| Reserved for Section III D 2 (RPWs   |  |
| 3. Non-RPWs that flow directly or  |  |
|  | that flows directly or indirectly into a TNW and has a signficant nexus  |
| Reserved for Section III D 4 (Wetla  |  |
| ·  | ands adjacent to but not directly abutting RPWs):  |
| ·  | /s that flow directly or indirectly into TNWs.   |
| ☐ Wetland adjacent to non-RPW has a significant nexus with the Estimated size of jurisdictional  |  |
| 7. Impoundments of jurisdictions   |  |
| Demonstration of Jurisdiction:   |  |
|  | OLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  |
| HICH COULD AFFECT INTERSTATE   |  |
|  |  |
| Supporting rationale:  |  |

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 48   |  |
|--|--|
| As described in Section 30 possess a significant nexu  | 1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW.                                 |
| Explain finding of Other:  |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 1151.72 linear feet (ft), 8.89 width (ft) acres acres  |
| SECTION IV: DATA SOURCES   |  |
| ✓ Data Sheets Prepared,  ☐ Office Concurs with   | lat Submitted by Applicant/Consultant: WestLand Resources, Inc. Submitted on behalf of Applicant delineation ncur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey I</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas  |
|  | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                             |
| <ul> <li>□ USDA Nat'l Res Consei</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul>                            |  |
| ☐ 100-year Floodplain El   | evation is: (National Geodetic Vertical Datum of 1929)   |
| •  | Name and Date): BING, Microsoft Virtual Earth 2008   |
|  | Name and Date): Ground Photos; May 2012  |
| <ul><li>Previous Determination</li><li>Applicable/Supporting</li><li>Applicable/Supporting</li></ul>   |  |
| Other Information, Ple   |  |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>     |                      |                                    |                             |    |
|---|-------------------|----------------------|------------------------------------|-----------------------------|----|
| A. Report Completion Date for App   | roved Jurisdicti  | onal Determination   | : 07/30/2012                       | 2                           |    |
| B. District Office and File No: Los   | Angeles District  | , File No. Pending   |                                    |                             |    |
| C. Project Location and Background  | d Information:    | Drainage Feature     | 49                                 |                             |    |
| City, County, State Sif Oidak Dis   | strict, Tohono O  | odham Nation, Pin    | na and Pinal Cou                   | unties, Arizona             |    |
| Center coordinates of site: Lat.  | 32.5073           | Long111.91           | .00                                |                             |    |
| Name of nearest waterbody: Un   | named Wash 49     |                      |                                    |                             |    |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River b   | etween Powers But    | te and Gillespie                   | e Dam                       |    |
| ✓ Map/Diagram of potential juris  | dictional area is | available on reques  | st                                 |                             |    |
| D. Review Performed for Site Evalu  | ation:            |                      |                                    |                             |    |
| Office Determination. Date:   |                   |                      |                                    |                             |    |
| Field Determination. Date: 05/  | 2012              |                      |                                    |                             |    |
| SECTION II: SUMMARY OF FINDIN   | GS                |                      |                                    |                             |    |
| A. RHA Section 10 Determination   |                   |                      |                                    |                             |    |
| There Are No "navigable waters  | of the U.S." wi   | thin RHA jurisdictio | n in the review                    | area.                       |    |
| B. CWA Section 404 Determination  | n of Jurisdiction | 1                    |                                    |                             |    |
| There Are No "waters of the   | ne U.S." within C | WA jurisdiction in t | the review area                    |                             |    |
| 1. Waters of the US:  |                   |                      |                                    |                             |    |
| Linear Feet   | ,                 | Width (ft) and/or    | Ad                                 | cres                        |    |
| Limits of Jurisdiction based on:  |                   |                      |                                    |                             |    |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa                        |                   | lands were assesse   | ed and determin                    | ned not to be jurisdictiona | l: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a s  | ignificant nexus wit | •                                  |                             | S  |
| SECTION III: CWA ANALYSIS   |                   |                      |                                    |                             |    |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs       |                      |                                    |                             |    |
| 1. Identified TNW:  |                   |                      |                                    |                             |    |
| Rationale for TNW determinate   | tion:             |                      |                                    |                             |    |
| 2. Rationale for conclusion tha   | t any wetlands    | present are "adjace  | ent":                              |                             |    |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY A     | ND ITS ADJACENT V    | VETLANDS                           |                             |    |
| TNW Watershed Size (sq mi):   | 49650             | Tributaries flo      |                                    | 4                           |    |
| Drainage Area (sq mi):  | 0.00036<br>8.5    |                      | om tributary to                    |                             |    |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 0                 |                      | om tributary to<br>om tributary to |                             |    |
|   | -                 |                      | om tributary to                    |                             |    |
| ☐ Project waters cross or serv  | e as state boun   | daries. Explain:     |                                    |                             |    |

Feature ID: 49

| Identify flow route to<br>Unnamed drainages<br>suggests the most lik<br>River. | within the      | •                              |             | •               |       |        |        | <br>hy |
|--|-----------------|--------------------------------|-------------|-----------------|-------|--------|--------|--------|
| Tributary is: Natural  | E               | xplain:                        |             |                 |       |        |        |        |
| Average Width (ft):  | 7.81            |                                |             |                 |       |        |        |        |
| Average Depth (ft):  | 1               |                                |             |                 |       |        |        |        |
|  |                 |                                |             |                 |       |        |        |        |
|  |                 | mpositio                       | n (check al | I that apply):  | :     |        |        |        |
| Average Side Slopes:  Primary tributary sub  Silts   Sands                     | ostrate co      | mpositio<br>obbles             | n (check al |                 |       | □ Vege | tation |        |
| Primary tributary sub  ✓ Silts ☐ Sands   | ostrate co      | •                              | ☐ Bedro     |                 |       | □ Vege | tation |        |
| Primary tributary sub  ✓ Silts ☐ Sands   | ostrate co<br>s | obbles<br>Other, E             | ☐ Bedro     |                 |       | □ Vege | tation |        |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ I  Fributary Condition/    | ostrate co<br>s | obbles<br>Other, E<br>Explain: | ☐ Bedro     |                 | ravel | □ Vege | tation |        |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ I                          | ostrate co<br>s | obbles<br>Other, E<br>Explain: | Bedro       | ock <b>⊻</b> Gr | ravel | □ Vege | tation |        |

| (c) Flow:                  |                      |            |           |             |            |                  |  |
|----------------------------|----------------------|------------|-----------|-------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow       | Average    | Flow Eve  | ents per ye | ear:       | 2-5              |  |
| Describe Flow Regime:      | Ephemeral            | Other Inf  | ormatio   | n on Dura   | Volume:    |                  |  |
| Surface Flow is:           | Confined             | Characte   | ristics:  |             |            |                  |  |
| Subsurface Flow:           | No                   | Explain:   |           |             |            |                  |  |
| Tributary Has:             |                      |            |           |             |            |                  |  |
| ☐ Bed and Banks            |                      |            |           |             |            |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:            |            |           |             |            |                  |  |
| ☐ Clear, natural line i    | mpressed on the bank | · □ \      | /egetatio | on matted   | down, b    | ent or absent    |  |
| ✓ Changes in soil cha      | racter               |            | eaf litte | r disturbe  | d or was   | hed away         |  |
| ☐ Shelving                 |                      | □ P        | resence   | of litter a | nd debri   | S                |  |
| ☐ Sediment deposition      | on                   | ✓ [        | Destructi | ion of terr | estrial ve | egetation        |  |
| ✓ Sediment sorting         |                      |            | Abrupt cl | hange in p  | lant con   | nmunity          |  |
| ☐ Scour                    |                      |            | Multiple  | observed    | or predi   | cted flow events |  |
| ☐ Presence of wrack        | line                 | □ <b>\</b> | Vater sta | aining      |            |                  |  |
| Other (list):              |                      |            |           |             |            |                  |  |
| ☐ Discontinuous? Ex        | xplain:              |            |           |             |            |                  |  |
| (iii) Chemical Characteris | tics:                |            |           |             |            |                  |  |
| Characterize Tributa       | ry:                  |            |           |             |            |                  |  |
| Identify Specific Poll     | •                    |            |           |             |            |                  |  |
| , ,                        | •                    |            |           |             |            |                  |  |
|                            |                      |            |           |             |            |                  |  |
|                            |                      |            |           |             |            |                  |  |
|                            |                      |            |           |             |            |                  |  |

| Feature ID: 49  |      |
|---|------|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |      |
| Riparian Corridor Characteristics:  |      |
| ☐ Wetland Fringe Characteristics:   |      |
| Habitat for:  |      |
| ☐ Federally Listed Species Explain:   |      |
| ☐ Fish/Spawn Areas Explain:   |      |
| ☐ Other environmentally -sensitive species Explain:   |      |
| ☐ Aquatic/Wildlife diversity Explain:   |      |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                      |      |
| (i) Physical Characteristics:   |      |
| Wetland Size (ac): Wetland Type, Explain:   |      |
| Wetland Quality, Explain:   |      |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |      |
| Wetland Flow is: Explain:   |      |
| Surface Flow is: Characteristics:   |      |
| Subsurface Flow: Explain Findings:  |      |
| ☐ Wetland Directly Abutting Non-TNW   |      |
| ☐ Wetland Not Directly Abutting Non-TNW   |      |
| ☐ Discrete wetland hydrologic connection Explain:   |      |
| ☐ Ecologcal connection Explain:   |      |
| ☐ Separated by berm/barrier Explain:  |      |
| Project Wetlands: River Miles from TNW:   |      |
| Project Wetlands: Aerial Miles from TNW:  |      |
| Flow is From:   |      |
| Approximate Location of Wetland within Floodplain:  |      |
| (ii) Chemical Characteristics:  |      |
| Characterize Wetland System:  |      |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |      |
| ☐ Riparian Buffer Explain:  |      |
| ☐ Vegetation type/percent cover. Explain:   |      |
| Habitat for:  |      |
| ☐ Federally Listed Species Explain:   |      |
| ☐ Fish/Spawn Areas Explain:   |      |
| Other environmentally-sensitive species Explain:  |      |
| ☐ Aquatic/Wildlife Diversity Explain:   |      |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                     |      |
| All wetland(s) considered in cumulative analysis:   |      |
| Wetland acres in total being considered in cumulative analysis:   |      |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functio | ns): |
|   |      |
|   |      |
|   |      |

| . SIGNIFICANT NEXUS DETERMINATION  |   |
|--|---|
| 1. Significant nexus findings for non-RPW thinto TNW. Explain:   | hat has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gillespie Dam. A discharges, in combination with the geomor downstream manmade impoundment (Tat I possibility of a hydrologic connection betwee critical habitats were identified within the A does not provide lifecycle support functions drainage does not have more than a specular | d more than 100 river miles from the nearest TNW, the Gila River in analysis of peak yearly discharges and potential flood rphology of the Analysis Area, the presence of a significant Momolikot Dam), and the distance to the TNW, suggests that the ten this drainage and the TNW is tenuous. No pollutants or nalysis Area. Additionally, this unnamed ephemeral drainage in nutrients, or organic carbon to species within the TNW. This lative or insubstantial effect on the physical, chemical, and/or this unnamed ephemeral drainage does not possess a significant between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for non-RPW a or indirectly into TNW. Explain:   | nd its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for wetlands a Explain:  | djacent to an RPW but that do not directly abut the RPW.  |
| ☐ TNWs: Linear Feet ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):   | Width (ft), Or, Acres Acres   |
| 3. Non-RPWs that flow directly or indirectly   | y into TNWs.  |
| with a TNW, and is therfore jurisdictiona  | ws directly or indirectly into a TNW and has a signficant nexus al.  dth (feet):  Acres:  |
| Reserved for Section III D 4 (Wetlands direct  | ctly abutting RPWs):  |
| Reserved for Section III D 5 (Wetlands adjace  | cent to but not directly abutting RPWs):  |
| 6. Wetlands adjacent to non-RPWs that flo  | ow directly or indirectly into TNWs.  |
| <ul> <li>Wetland adjacent to non-RPWs which, i<br/>has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland</li> </ul>  | n combination with the tributary and other adjacent wetlands,  (in acres):  |
| 7. Impoundments of jurisdictional waters.  |   |
| Demonstration of Jurisdiction:   |   |
| . ISOLATED WATERS, INCLUDING ISOLATED VHICH COULD AFFECT INTERSTATE COMMER   | WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  |
|  |   |
| Supporting rationale:  Length (linear feet):  Acres  | ·   |

# F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 49   |  |
|--|--|
| As described in Section 3C possess a significant nexus | 1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW. |
| Explain finding of Other:                              |  |
| ✓ Non-wetland waters                                   | 1289.77 linear feet (ft), 7.81 width (ft)  |
| $\square$ Other waters                                 | acres  |
| ☐ Wetlands   | acres  |
| SECTION IV: DATA SOURCES                               |  |
|  | lat Submitted by Applicant/Consultant: WestLand Resources, Inc.                                    |
| • •  | Submitted on behalf of Applicant   |
| Office Concurs with                                    | delineation  |
| ☐ Office Does Not Co                                   | ncur with delineation  |
| Data Sheets Prepared I                                 |  |
| Corps Navigable Water                                  | ·  |
| ☐ US Geological Survey F                               | lydrologic Atlas   |
| ☐ USGS NHD Data  |  |
| USGS 8 and 12 digi                                     | ·  |
|  | Map(s) Scale and Quad Name:  |
| Silver Reef Mounta                                     | ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                         |
| ☐ USDA Nat'l Res Conser                                | vation Service Soil Survey Citation:   |
| National Wetlands Inventor                             | entory Maps Cite Map Name:   |
| State/Local Wetland In                                 | ventory Maps   |
| FEMA/FIR Maps  |  |
| ☐ 100-year Floodplain Ele                              |  |
|  | Name and Date): BING, Microsoft Virtual Earth 2008  Name and Date): Ground Photos; May 2012        |
| _  |  |
| ☐ Applicable/Supporting                                | ns File No. and Date of Response Letter:   |
|  |  |
| Applicable/Supporting                                  | Scientific Literature Citation:  |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>     |                          |  |                       |
|---|-------------------|--------------------------|--|-----------------------|
| A. Report Completion Date for App   |                   |                          | 07/30/2012                             |                       |
| B. District Office and File No: Los   | Angeles Distric   | t, File No. Pending      |  |                       |
| C. Project Location and Background  | Information:      | Drainage Feature 4       | A                                      |                       |
| City, County, State Sif Oidak Dis   | trict, Tohono (   | D'odham Nation, Pima     | and Pinal Counties, A                  | Arizona               |
| Center coordinates of site: Lat.  | 32.5073           | Long111.9100             |  |                       |
| Name of nearest waterbody: Uni  | named Wash 4      | A                        |  |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | V: Gila River l   | oetween Powers Butte     | and Gillespie Dam                      |                       |
| ✓ Map/Diagram of potential jurise   | dictional area is | s available on request   |  |                       |
| D. Review Performed for Site Evalu  | ation:            |                          |  |                       |
| Office Determination. Date:   |                   |                          |  |                       |
| Field Determination. Date: 05/2   | 2012              |                          |  |                       |
| SECTION II: SUMMARY OF FINDING  | GS                |                          |  |                       |
| A. RHA Section 10 Determination   |                   |                          |  |                       |
| There Are No "navigable waters  | of the U.S." w    | ithin RHA jurisdiction i | n the review area.                     |                       |
| B. CWA Section 404 Determination  | n of Jurisdictio  | n                        |  |                       |
| There Are No "waters of the   | e U.S." within    | CWA jurisdiction in the  | review area.                           |                       |
| 1. Waters of the US:  |                   |                          |  |                       |
| Linear Feet   |                   | Width (ft) and/or        | Acres                                  |                       |
| Limits of Jurisdiction based on:  |                   |                          |  |                       |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa                        |                   | etlands were assessed a  | and determined not                     | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a    | significant nexus with a |  | •                     |
| SECTION III: CWA ANALYSIS   |                   |                          |  |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs        |                          |  |                       |
| 1. Identified TNW:  |                   |                          |  |                       |
| Rationale for TNW determinat  | ion:              |                          |  |                       |
| 2. Rationale for conclusion tha   | t any wetlands    | present are "adjacent    | ":                                     |                       |
| B. CHARACTERISTICS OF NON-TN\   | N TRIBUTARY A     | AND ITS ADJACENT WE      | TLANDS                                 |                       |
| TNW Watershed Size (sq mi):   | 49650             | Tributaries flow         |  | 4                     |
| Drainage Area (sq mi):  | 0.00019           |                          | tributary to TNW:                      | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 8.5<br>0          |                          | tributary to RPW:  n tributary to TNW: | 30 (or more)          |
| Average Amilian Showlan (III).  | •                 |                          | •                                      | SO (OF ITIOLE)        |
|   |                   | Aeriai ivilles iron      | n tributary to RPW:                    |                       |

Feature ID: 4A

| Identify flow route to  |  |                       |               |  |
|---|--|-----------------------|---------------|--|
| _   |  | •                     |               | ultimately tributary to the Santa Rosa Wash. Topograph |
|   | ely rou  | te of poter           | itial flow is | Santa Rosa Wash to the Santa Cruz Wash to the Gila     |
| River.  |  |                       |               |  |
| Tributary is: Natural   |  | Explain:              |               |  |
| Average Width (ft):   | 6.00   |                       |               |  |
| Average Depth (ft):   | 1  |                       |               |  |
|   |  |                       |               |  |
| Average Side Slopes:  | 2:1  |                       |               |  |
|   |  | compositio            | n (check al   | that apply):   |
| Average Side Slopes:  Primary tributary sub  ✓ Silts ☐ Sands      | strate   | compositio<br>Cobbles | n (check al   |  |
| Primary tributary sub   | ostrate (  | Cobbles               | ☐ Bedro       |  |
| Primary tributary sub  Silts Sands                                | strate   | •                     | ☐ Bedro       |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N             | ostrate (  | Cobbles<br>Other, E   | ☐ Bedro       |  |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/ | ostrate of the state of the sta | Cobbles Other, E      | ☐ Bedro       |  |
| Primary tributary sub   | ostrate of the state of the sta | Cobbles Other, E      | Bedro         | ock ☑ Gravel □ Vegetation                              |

| (c) Flow:                  |  |   |                  |              |                        |                  |  |  |  |
|----------------------------|--|---|------------------|--------------|------------------------|------------------|--|--|--|
| Tributary Provides for:    | Ephemeral Flow Average Flow Events per year: |   |                  |              |                        | 2-5              |  |  |  |
| Describe Flow Regime:      | Ephemeral                                    | Other Information on Duration and Volume: |                  |              |                        |                  |  |  |  |
| Surface Flow is:           | Confined                                     | Characte                                  | Characteristics: |              |                        |                  |  |  |  |
| Subsurface Flow:           | No   | Explain:                                  |                  |              |                        |                  |  |  |  |
| Tributary Has:             |  |   |                  |              |                        |                  |  |  |  |
| ☐ Bed and Banks            |  |   |                  |              |                        |                  |  |  |  |
| ✓ OHWM: OHWM Inc           | dicators:                                    |   |                  |              |                        |                  |  |  |  |
| ☐ Clear, natural line i    | mpressed on the bank                         | :   | /egetati         | on matted    | down, b                | ent or absent    |  |  |  |
| Changes in soil cha        | racter                                       |   | eaf litte.       | r disturbed  | or was                 | hed away         |  |  |  |
| ☐ Shelving                 |  | □ F                                       | resence          | of litter a  | nd debri               | S                |  |  |  |
| Sediment deposition        | on   | <b>~</b> [                                | estruct          | ion of terre | estrial ve             | egetation        |  |  |  |
| Sediment sorting           |  |   | Abrupt c         | hange in p   | nge in plant community |                  |  |  |  |
| ☐ Scour                    |  |   | ∕Iultiple        | observed     | or predic              | cted flow events |  |  |  |
| ☐ Presence of wrack        | line   | □ <b>\</b>                                | Vater st         | aining       |                        |                  |  |  |  |
| Other (list):              |  |   |                  |              |                        |                  |  |  |  |
| ☐ Discontinuous? Ex        | rplain:                                      |   |                  |              |                        |                  |  |  |  |
| (iii) Chemical Characteris | tics:  |   |                  |              |                        |                  |  |  |  |
| Characterize Tributar      | ry:  |   |                  |              |                        |                  |  |  |  |
| Identify Specific Pollu    | utants, if known:                            |   |                  |              |                        |                  |  |  |  |
|                            |  |   |                  |              |                        |                  |  |  |  |
|                            |  |   |                  |              |                        |                  |  |  |  |
|                            |  |   |                  |              |                        |                  |  |  |  |
|                            |  |   |                  |              |                        |                  |  |  |  |

| Feature ID: 4A  |                |
|---|----------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                 |                |
| Riparian Corridor Characteristics:  |                |
| ☐ Wetland Fringe Characteristics:   |                |
| Habitat for:  |                |
| ☐ Federally Listed Species Explain:   |                |
| ☐ Fish/Spawn Areas Explain:   |                |
| ☐ Other environmentally -sensitive species Explain:   |                |
| ☐ Aquatic/Wildlife diversity Explain:   |                |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW              |                |
| (i) Physical Characteristics:   |                |
| Wetland Size (ac): Wetland Type, Explain:   |                |
| Wetland Quality, Explain:   |                |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |                |
| Wetland Flow is: Explain:   |                |
| Surface Flow is: Characteristics:   |                |
| Subsurface Flow: Explain Findings:  |                |
| ☐ Wetland Directly Abutting Non-TNW   |                |
| ☐ Wetland Not Directly Abutting Non-TNW   |                |
| ☐ Discrete wetland hydrologic connection Explain:   |                |
| ☐ Ecological connection Explain:  |                |
| ☐ Separated by berm/barrier Explain:  |                |
| Project Wetlands: River Miles from TNW:   |                |
| Project Wetlands: Aerial Miles from TNW:  |                |
| Flow is From:   |                |
| Approximate Location of Wetland within Floodplain:  |                |
| (ii) Chemical Characteristics:  |                |
| Characterize Wetland System:  |                |
|   |                |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                |                |
| Riparian Buffer Explain:  |                |
| ☐ Vegetation type/percent cover. Explain:   |                |
| Habitat for:  |                |
| ☐ Federally Listed Species Explain: ☐ Fish/Spawn Areas Explain:   |                |
| ☐ Other environmentally-sensitive species Explain:  |                |
| ☐ Aquatic/Wildlife Diversity Explain:   |                |
|   |                |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                             |                |
| All wetland(s) considered in cumulative analysis:   |                |
| Wetland acres in total being considered in cumulative analysis:   |                |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical | al functions): |
|   |                |
|   |                |

| C. SIGNIFICANT NEXUS DETERMINATION  |                            |
|---|----------------------------|
| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectinto TNW. Explain:  | tly                        |
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gilabetween Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. The drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/o biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a signifinexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. | nat the<br>ge<br>his<br>or |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows director indirectly into TNW. Explain:   | tly                        |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:   |                            |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  |                            |
|   |                            |
| <ul> <li>3. Non-RPWs that flow directly or indirectly into TNWs.</li> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant new with a TNW, and is therfore jurisdictional.</li> <li>Length (Linear Feet): Width (feet): Acres:</li> </ul>  | сus                        |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):   |                            |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |                            |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |                            |
| ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetla has a significant nexus with the TNW.  | nds,                       |
| Estimated size of jurisdictional wetland (in acres):  |                            |
| 7. Impoundments of jurisdictional waters.   |                            |
| Demonstration of Jurisdiction:  |                            |
| E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  | F                          |
| Supporting rationale: Length (linear feet): Acres:  |                            |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 4A  |  |                              |          |                 |               |        |
|---|--|------------------------------|----------|-----------------|---------------|--------|
| As described in Section 3C possess a significant nexus  | •                                      | •                            | drainage | e determined t  | hat it did no | t      |
| Explain finding of Other:   |  |                              |          |                 |               |        |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>  | 889.89 line acre                       | es                           | 6.00 w   | idth (ft)       |               |        |
| SECTION IV: DATA SOURCES  |  |                              |          |                 |               |        |
| <ul><li>✓ Maps, Plans, Plots or P</li><li>✓ Data Sheets Prepared/</li><li>☐ Office Concurs with</li><li>☐ Office Does Not Co</li></ul>                            | Submitted on behalf                    | f of Applicant               | t: Wes   | stLand Resourc  | es, Inc.      |        |
| <ul><li>□ Data Sheets Prepared</li><li>□ Corps Navigable Water</li><li>□ US Geological Survey F</li><li>□ USGS NHD Data</li><li>□ USGS 8 and 12 digital</li></ul> | Study<br>lydrologic Atlas              |                              |          |                 |               |        |
| ✓ US Geological Survey N<br>Silver Reef Mounta  | Map(s) Scale and Quins SE, North Komel |                              | Mounta   | ins NW 7.5-Mi   | nute Quadra   | ingles |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Invo</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul>                          | entory Maps Cite                       | urvey Citation:<br>Map Name: |          |                 |               |        |
| ☐ 100-year Floodplain El  | evation is:                            | (Na                          | tional G | eodetic Vertica | al Datum of   | 1929)  |
| ✓ Aerial Photographs (  |  |                              |          |                 |               |        |
| ✓ Other Photographs (   |  |                              |          |                 |               |        |
| <ul><li>Previous Determinatio</li><li>Applicable/Supporting</li><li>Applicable/Supporting</li></ul>   | Case Law Citation                      | :                            | er:      |                 |               |        |
| Other Information, Ple  |  | Citation.                    |          |                 |               |        |

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>      |                  |                                     |                  |                       |
|--|--------------------|------------------|-------------------------------------|------------------|-----------------------|
| A. Report Completion Date for App  | oroved Jurisdic    | tional Determi   | nation: 07/3                        | 30/2012          |                       |
| B. District Office and File No: Los  | Angeles Distri     | ct, File No. Pen | ding                                |                  |                       |
| C. Project Location and Background   | d Information:     | Drainage Fe      | ature 4A1                           |                  |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono     | O'odham Natio    | on, Pima and P                      | inal Counties, A | Arizona               |
| Center coordinates of site: Lat.   | 32.5073            | Long:            | 111.9100                            |                  |                       |
| Name of nearest waterbody: Un  | named Wash 4       | 1A1              |                                     |                  |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                 | W: Gila River      | between Powe     | ers Butte and G                     | Gillespie Dam    |                       |
| ✓ Map/Diagram of potential juris   | dictional area     | is available on  | request                             |                  |                       |
| D. Review Performed for Site Evalu   | ation:             |                  |                                     |                  |                       |
| Office Determination. Date:  |                    |                  |                                     |                  |                       |
| Field Determination. Date: 05/2  | 2012               |                  |                                     |                  |                       |
| SECTION II: SUMMARY OF FINDING   | GS                 |                  |                                     |                  |                       |
| A. RHA Section 10 Determination  |                    | 1                |                                     |                  |                       |
| There Are No "navigable waters   |                    |                  | diction in the                      | review area.     |                       |
| B. CWA Section 404 Determination   | on of Jurisdiction | on               |                                     |                  |                       |
| There Are No "waters of the  | ne U.S." within    | CWA jurisdicti   | on in the revie                     | w area.          |                       |
| 1. Waters of the US:   |                    |                  |                                     |                  |                       |
| Linear Feet  |                    | Width (ft) and   | d/or                                | Acres            |                       |
| Limits of Jurisdiction based on:   |                    |                  |                                     |                  |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>Potentially jurisdictional was</li> </ol> |                    | etlands were a   | ssessed and de                      | etermined not    | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne  | it possessed a     | significant nex  | us with a dow                       | •                | • ,                   |
| SECTION III: CWA ANALYSIS  |                    |                  |                                     |                  |                       |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs        |                  |                                     |                  |                       |
| 1. Identified TNW:   |                    |                  |                                     |                  |                       |
| Rationale for TNW determinat   | ion:               |                  |                                     |                  |                       |
| 2. Rationale for conclusion tha  | it any wetland     | s present are "  | adjacent":                          |                  |                       |
| B. CHARACTERISTICS OF NON-TN   | N TRIBUTARY        | AND ITS ADJAC    | ENT WETLAND                         | OS               |                       |
| TNW Watershed Size (sq mi):  | 49650              |                  | ies flow to TN                      |                  | 4                     |
| Drainage Area (sq mi):   | 0.00002            |                  | iles from tribu                     | •                | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                          | 8.5<br>0           |                  | iles from tribu<br>Iiles from tribu | •                | 30 (or more)          |
| , we age / imaai showlan (iii).  |                    |                  | liles from tribu                    | •                | 20 (3. 111012)        |
| ☐ Project waters cross or serv   | ve as state bou    | ındaries. Exp    | lain:                               |                  |                       |

Feature ID: 4A1

| _  |                          | -                                 | Area are ultimately tributary to the Santa Rosa Wash. al flow is Santa Rosa Wash to the Santa Cruz Wash to |  |
|--|--------------------------|-----------------------------------|--|--|
| Tributary is: Natural  |                          | Explain:                          |  |  |
| Average Width (ft):  | 4.23                     |                                   |  |  |
| Average Depth (ft):  | 1                        |                                   |  |  |
| Average Side Slopes:   | 2:1                      |                                   |  |  |
|  | strate                   | compositio                        | (check all that apply):  |  |
| Primary tributary sub  ☑ Silts ☐ Sands                                       | _                        | compositio<br>Cobbles<br>Other, E | ☐ Bedrock ✓ Gravel ☐ Vegetation  |  |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N                        | i □<br>⁄luck             | Cobbles Other, E                  | ☐ Bedrock ✓ Gravel ☐ Vegetation  |  |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N  Tributary Condition/S | s □<br>Muck<br>Stability | Cobbles Other, E                  | ☐ Bedrock ☑ Gravel ☐ Vegetation  plain:  Stable  |  |
| Primary tributary sub  Silts Sands   | Muck Stability e/Pool    | Cobbles Other, E                  | ☐ Bedrock ☑ Gravel ☐ Vegetation  plain:  Stable  Explain: Not Present                                      |  |

| (c) Flow:                       |                       |                               |                                       |             |           |                |     |  |
|---------------------------------|-----------------------|-------------------------------|---------------------------------------|-------------|-----------|----------------|-----|--|
| Tributary Provides for:         | Ephemeral Flow        | Average Flow Events per year: |                                       |             |           | 2-5            |     |  |
| Describe Flow Regime:           | Ephemeral             | Other Inf                     | Other Information on Duration and V   |             |           | Volume:        |     |  |
| Surface Flow is:                | Confined              | Characte                      | ristics:                              |             |           |                |     |  |
| Subsurface Flow:                | No                    | Explain:                      |                                       |             |           |                |     |  |
| Tributary Has:                  |                       |                               |                                       |             |           |                |     |  |
| ☐ Bed and Banks                 |                       |                               |                                       |             |           |                |     |  |
| ✓ OHWM: OHWM Inc                | dicators:             |                               |                                       |             |           |                |     |  |
| $\square$ Clear, natural line i | impressed on the bank | : □ <b>ν</b>                  | /egetati                              | on matted   | down, b   | ent or absent  | i . |  |
| Changes in soil cha             | racter                |                               | eaf litte                             | r disturbed | or was    | hed away       |     |  |
| ☐ Shelving                      |                       | □ P                           | resence                               | of litter a | nd debri  | S              |     |  |
| ☐ Sediment deposition           | on                    |                               | Destruction of terrestrial vegetation |             |           |                |     |  |
| Sediment sorting                |                       |                               | Abrupt c                              | hange in pl | ant com   | nmunity        |     |  |
| ☐ Scour                         |                       |                               | Лultiple                              | observed o  | or predic | cted flow ever | nts |  |
| ☐ Presence of wrack             | line                  | □ V                           | Vater st                              | aining      |           |                |     |  |
| Other (list):                   |                       |                               |                                       |             |           |                |     |  |
| ☐ Discontinuous? Ex             | rplain:               |                               |                                       |             |           |                |     |  |
| /m> a                           |                       |                               |                                       |             |           |                |     |  |
| (iii) Chemical Characteris      | tics:                 |                               |                                       |             |           |                |     |  |
| Characterize Tributa            | ry:                   |                               |                                       |             |           |                |     |  |
| Identify Specific Pollu         | utants, if known:     |                               |                                       |             |           |                |     |  |
|                                 |                       |                               |                                       |             |           |                |     |  |
|                                 |                       |                               |                                       |             |           |                |     |  |
|                                 |                       |                               |                                       |             |           |                |     |  |
|                                 |                       |                               |                                       |             |           |                |     |  |

| (iv) Biological Characteristics. Channel supports (check all that apply):                    |  |
|--|--|
|  |  |
| Riparian Corridor Characteristics:   |  |
| ☐ Wetland Fringe Characteristics:  |  |
| Habitat for:   |  |
| ☐ Federally Listed Species Explain:  |  |
| ☐ Fish/Spawn Areas Explain:  |  |
| ☐ Other environmentally -sensitive species Explain:  |  |
| ☐ Aquatic/Wildlife diversity Explain:  |  |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW |  |
| i) Physical Characteristics:   |  |
| Wetland Size (ac): Wetland Type, Explain:  |  |
| Wetland Quality, Explain:  |  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  Wetland Flow is: Explain:     |  |
| Surface Flow is: Characteristics:  |  |
| Subsurface Flow: Explain Findings:   |  |
|  |  |
| ☐ Wetland Directly Abutting Non-TNW  |  |
| ☐ Wetland Not Directly Abutting Non-TNW  |  |
| Discrete wetland hydrologic connection Explain:  |  |
| ☐ Ecological connection Explain:   |  |
| Separated by berm/barrier Explain:   |  |
| Project Wetlands: River Miles from TNW:  |  |
| Project Wetlands: Aerial Miles from TNW: Flow is From:                                       |  |
| Approximate Location of Wetland within Floodplain:   |  |
|  |  |
| i) Chemical Characteristics:   |  |
| Characterize Wetland System:   |  |
| i) Biological Characteristics. Wetland supports (check all that apply):                      |  |
| ☐ Riparian Buffer Explain:   |  |
| ☐ Vegetation type/percent cover. Explain:  |  |
| Habitat for:   |  |
| ☐ Federally Listed Species Explain:  |  |
| ☐ Fish/Spawn Areas Explain:  |  |
| ☐ Other environmentally-sensitive species Explain:   |  |
| ☐ Aquatic/Wildlife Diversity Explain:  |  |
| Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                   |  |
| All wetland(s) considered in cumulative analysis:  |  |
|  |  |
| Wetland acres in total being considered in cumulative analysis:                              |  |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila F between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significance with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs:  Linear Feet  Width (ft), Or,  Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Wetlands adjacent to TNWs:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional wetland (in acres): | Into TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gilb between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainag does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. Therefore, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant again does not have more than a speculative or insubstantial effect on the physical, chemical, and/biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows direct or indirectly into TNW. Explain:  3. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows direct or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  1. TNWs and Adjacent Wetlands  1. TNWs:  2. Linear Feet  3. Width (ft), Or,  4. Acres  4. TNWs and Adjacent to TNWs:  4. Acres  8. Wetlands adjacent to TNWs:  4. Acres  8. Non-RPWs that flow directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  8. Length (Linear Feet):  8. Width (feet):  8. Acres:  8. Wetlands adjacent to non-RPWs that flow directly or indirectly abutting RPWs):  8. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  4. Wetlands adjacent | . SIGNIFICANT NEXUS   | DETERMINATION   |
|--|--|---|---|
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| <ul> <li>3. Non-RPWs that flow directly or indirectly into TNWs.</li> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.</li> <li>Length (Linear Feet): Width (feet): Acres:</li> <li>Reserved for Section III D 4 (Wetlands directly abutting RPWs):</li> <li>Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):</li> <li>6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.</li> <li>Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> </ul>   | 3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nex with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  Supporting rationale:  | ☐ TNWs: ☐ Wetlands adjace   | Linear Feet Width (ft), Or, Acres ent to TNWs: Acres  |
| <ul> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.</li></ul>   | <ul> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nex with a TNW, and is therfore jurisdictional.</li></ul>   |   |   |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):   | Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  Supporting rationale:  | ☐ Non-TNW/non-R with a TNW, and   | PW waterbody that flows directly or indirectly into a TNW and has a signficant nexus is therfore jurisdictional.  |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  | Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  Supporting rationale:  |   |   |
| <ul> <li>6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.</li> <li>Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> </ul>   | 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  Supporting rationale:   |   | · · · · · · · · · · · · · · · · · · ·   |
| ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):   | Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetland has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  Supporting rationale:   |   |   |
| 7. Impoundments of jurisdictional waters.  | Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  Supporting rationale:  | ☐ Wetland adjace<br>has a significant   | nt to non-RPWs which, in combination with the tributary and other adjacent wetlands, nexus with the TNW.  |
|  | E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  Supporting rationale:  | 7. Impoundments   | f jurisdictional waters.  |
| Demonstration of Jurisdiction:   | WHICH COULD AFFECT INTERSTATE COMMERCE  Supporting rationale:  | Demonstration   | of Jurisdiction:  |
| E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE   |  |   |   |
| $e_1, \dots, e_{r-1}, \dots, e_{r-1}$  | Length (linear feet): Acres:   |   |   |

### F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 4A1  |                     |                   |                                       |          |
|--|---------------------|-------------------|---------------------------------------|----------|
| As described in Section possess a significant ne                     |                     |                   | meral drainage determined that it did | not      |
| Explain finding of Other   | :                   |                   |                                       |          |
| ✓ Non-wetland waters   | 125.46              | linear feet (ft), | 4.23 width (ft)                       |          |
| ☐ Other waters   |                     | acres             |                                       |          |
| ☐ Wetlands   |                     | acres             |                                       |          |
| SECTION IV: DATA SOURCE  | S                   |                   |                                       |          |
| ✓ Maps, Plans, Plots o   | r Plat Submitted by | Applicant/Cor     | sultant: WestLand Resources, Inc.     |          |
| Data Sheets Prepare  |                     | half of Applicant | :                                     |          |
| Office Concurs w   |                     |                   |                                       |          |
| Office Does Not  | Concur with delinea | tion              |                                       |          |
| ☐ Data Sheets Prepare  | ed by the Corps     |                   |                                       |          |
| Corps Navigable Wa   | ter Study           |                   |                                       |          |
| US Geological Surve  | y Hydrologic Atlas  |                   |                                       |          |
| USGS NHD Data  |                     |                   |                                       |          |
| $\square$ USGS 8 and 12 $\circ$                                      | ligit HUC Map       |                   |                                       |          |
| ✓ US Geological Surve  | v Man(s) Scale and  | d Ouad Name:      |                                       |          |
|  |                     |                   | Rosa Mountains NW 7.5-Minute Qua      | drangles |
|  | ·                   |                   |                                       | 3 - 1    |
| USDA Nat'l Res Cons  |                     | •                 | ion:                                  |          |
| ☐ National Wetlands I  |                     | Cite Map Name:    |                                       |          |
| State/Local Wetland  | Inventory Maps      |                   |                                       |          |
| ☐ FEMA/FIR Maps  | Flavoria a iau      |                   | (National Condition Vertical Deturn   | -f 1020\ |
| <ul><li>☐ 100-year Floodplain</li><li>✓ Aerial Photographs</li></ul> |                     | DINC Microso      | (National Geodetic Vertical Datum     | 01 1929) |
| ✓ Other Photographs  |                     |                   |                                       |          |
| Previous Determina   | •                   |                   |                                       |          |
| ☐ Applicable/Supporti  |                     |                   | se Letter.                            |          |
| ☐ Applicable/Supporti  | ŭ                   |                   |                                       |          |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>       |                      |                                      |                              |
|---|---------------------|----------------------|--------------------------------------|------------------------------|
| A. Report Completion Date for App   | oroved Jurisdiction | onal Determination   | or/30/2012                           |                              |
| B. District Office and File No: Los   | Angeles District,   | File No. Pending     |                                      |                              |
| C. Project Location and Background  | d Information:      | Drainage Feature     | 4B                                   |                              |
| City, County, State Sif Oidak Dis   | strict, Tohono O'   | odham Nation, Pin    | na and Pinal Cou                     | nties, Arizona               |
| Center coordinates of site: Lat.  | 32.5073             | Long111.91           | 100                                  |                              |
| Name of nearest waterbody: Un   | named Wash 4B       |                      |                                      |                              |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River be    | etween Powers But    | te and Gillespie                     | Dam                          |
| ✓ Map/Diagram of potential juris  | dictional area is   | available on reque   | st                                   |                              |
| D. Review Performed for Site Evalu  | ation:              |                      |                                      |                              |
| Office Determination. Date:   |                     |                      |                                      |                              |
| Field Determination. Date: 05/  | 2012                |                      |                                      |                              |
| SECTION II: SUMMARY OF FINDIN   | GS                  |                      |                                      |                              |
| A. RHA Section 10 Determination   |                     |                      |                                      |                              |
| There Are No "navigable waters  |                     | hin RHA jurisdictio  | n in the review a                    | rea.                         |
| B. CWA Section 404 Determination  | on of Jurisdiction  |                      |                                      |                              |
| There Are No "waters of the   | ne U.S." within C   | WA jurisdiction in t | the review area.                     |                              |
| 1. Waters of the US:  |                     |                      |                                      |                              |
| Linear Feet   | \                   | Width (ft) and/or    | Ac                                   | res                          |
| Limits of Jurisdiction based on:  |                     |                      |                                      |                              |
| 2. Non-Regulated Waters/Wet   | lands:              |                      |                                      |                              |
| ✓ Potentially jurisdictional wa   | iters and/or wet    | lands were assesse   | ed and determine                     | ed not to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a si   | gnificant nexus wit  | -                                    |                              |
| SECTION III: CWA ANALYSIS   |                     |                      |                                      |                              |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs         |                      |                                      |                              |
| 1. Identified TNW:  |                     |                      |                                      |                              |
| Rationale for TNW determinate   | tion:               |                      |                                      |                              |
| 2. Rationale for conclusion tha   | it any wetlands p   | oresent are "adjace  | ent":                                |                              |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY AN      | ND ITS ADJACENT V    | VETLANDS                             |                              |
| TNW Watershed Size (sq mi):   | 49650               | Tributaries flo      |                                      | 4                            |
| Drainage Area (sq mi):  | 0.00014             |                      | om tributary to T                    |                              |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 8.5<br>0            |                      | om tributary to F<br>om tributary to |                              |
| Average Alliaal Silowial (III).   |                     |                      | om tributary to                      |                              |
| ☐ Project waters cross or serv  | ve as state bound   |                      |                                      |                              |

Feature ID: 4B

| Identify flow route to<br>Unnamed drainages<br>suggests the most lik<br>River. | within t   | •                                 |   | •            | •           |    |  |
|--|--|-----------------------------------|---|--------------|-------------|----|--|
| Tributary is: Natural  |  | Explain:                          |   |              |             |    |  |
| Average Width (ft):  | 4.66   |                                   |   |              |             |    |  |
| Average Depth (ft):  | 1  |                                   |   |              |             |    |  |
|  |  |                                   |   |              |             |    |  |
| Average Side Slopes:<br>Primary tributary sub                                  |  | compositio                        | n (check all                                | that apply): |             |    |  |
| Primary tributary sub  | ostrate  | compositio<br>Cobbles<br>Other, E | Bedro                                       |              | □ Vegetatio | on |  |
| Primary tributary sub  | ostrate o  | Cobbles<br>Other, E               | Bedro                                       |              | □ Vegetatio | on |  |
| Primary tributary sub Silts Sands Concrete Introduction/S                      | ostrate of the state of the sta | Cobbles Other, E                  | ☐ Bedro<br>xplain: ☐                        |              | □ Vegetatio | on |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ I                          | ostrate of the state of the sta | Cobbles Other, E                  | ☐ Bedro  Explain:  Stable  Stable:  Stable: | ck 🗹 Gravel  | □ Vegetatio | on |  |

| (c) Flow:                     |                       |   |             |             |           |                   |
|-------------------------------|-----------------------|---|-------------|-------------|-----------|-------------------|
| Tributary Provides for:       | Ephemeral Flow        | Average I                                 | Flow Eve    | nts per y   | ear:      | 2-5               |
| Describe Flow Regime:         | Ephemeral             | Other Information on Duration and Volume: |             |             |           |                   |
| Surface Flow is:              | Confined              | Characteristics:                          |             |             |           |                   |
| Subsurface Flow:              | No                    | Explain:                                  |             |             |           |                   |
| Tributary Has:                |                       |   |             |             |           |                   |
| ☐ Bed and Banks               |                       |   |             |             |           |                   |
| ✓ OHWM: OHWM Inc              | dicators:             |   |             |             |           |                   |
| $\square$ Clear, natural line | impressed on the bank | □v  | egetatio/   | n matted    | d down,   | bent or absent    |
| Changes in soil changes       |                       |   | eaf litter  | disturbe    | d or wa   | shed away         |
| ☐ Shelving                    |                       | □ P                                       | resence     | of litter a | and debi  | ris               |
| ☐ Sediment deposition         | on                    |   | estructio   | on of ter   | estrial v | regetation        |
| Sediment sorting              |                       |   | brupt ch    | ange in p   | olant cor | nmunity           |
| ☐ Scour                       |                       |   | /lultiple o | bserved     | or pred   | icted flow events |
| ☐ Presence of wrack           | line                  | □ V                                       | Vater sta   | ining       |           |                   |
| Other (list):                 |                       |   |             |             |           |                   |
| ☐ Discontinuous? Ex           | kplain:               |   |             |             |           |                   |
| (iii) Chemical Characteris    | tics:                 |   |             |             |           |                   |
| Characterize Tributa          | ry:                   |   |             |             |           |                   |
| Identify Specific Poll        | utants, if known:     |   |             |             |           |                   |
| racinary Specific Follo       | acanco, ii knowii.    |   |             |             |           |                   |
|                               |                       |   |             |             |           |                   |
|                               |                       |   |             |             |           |                   |
|                               |                       |   |             |             |           |                   |

| Feature ID: 4B  |            |
|---|------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                   |            |
| Riparian Corridor Characteristics:  |            |
| ☐ Wetland Fringe Characteristics:   |            |
| Habitat for:  |            |
| ☐ Federally Listed Species Explain:   |            |
| ☐ Fish/Spawn Areas Explain:   |            |
| ☐ Other environmentally -sensitive species Explain:   |            |
| ☐ Aquatic/Wildlife diversity Explain:   |            |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                |            |
| (i) Physical Characteristics:   |            |
| Wetland Size (ac): Wetland Type, Explain:   |            |
| Wetland Quality, Explain:   |            |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |            |
| Wetland Flow is: Explain:   |            |
| Surface Flow is: Characteristics:   |            |
| Subsurface Flow: Explain Findings:  |            |
| ☐ Wetland Directly Abutting Non-TNW   |            |
| ☐ Wetland Not Directly Abutting Non-TNW   |            |
| ☐ Discrete wetland hydrologic connection Explain:   |            |
| ☐ Ecologcal connection Explain:   |            |
| ☐ Separated by berm/barrier Explain:  |            |
| Project Wetlands: River Miles from TNW:   |            |
| Project Wetlands: Aerial Miles from TNW:  |            |
| Flow is From:   |            |
| Approximate Location of Wetland within Floodplain:  |            |
| (ii) Chemical Characteristics:  |            |
| Characterize Wetland System:  |            |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                  |            |
| ☐ Riparian Buffer Explain:  |            |
| ☐ Vegetation type/percent cover. Explain:   |            |
| Habitat for:  |            |
| ☐ Federally Listed Species Explain:   |            |
| ☐ Fish/Spawn Areas Explain:   |            |
| Other environmentally-sensitive species Explain:  |            |
| ☐ Aquatic/Wildlife Diversity Explain:   |            |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                               |            |
| All wetland(s) considered in cumulative analysis:   |            |
| Wetland acres in total being considered in cumulative analysis:   |            |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical f | unctions): |
|   |            |
|   |            |
|   |            |

|  | Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly to TNW. Explain:  |
|--|---|
| be<br>di<br>do<br>po<br>cr<br>do<br>dr<br>bi | tis unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River of the Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood scharges, in combination with the geomorphology of the Analysis Area, the presence of a significant ownstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the essibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or dictical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage less not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This cainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or cological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant exus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. |
|  | Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly indirectly into TNW. Explain:  |
|  | Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
|  | TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres eserved for Section III D 2 (RPWs):   |
| 3.   | Non-RPWs that flow directly or indirectly into TNWs.  |
|  | Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.   |
| _  | Length (Linear Feet): Width (feet): Acres:  |
|  | eserved for Section III D 4 (Wetlands directly abutting RPWs):  |
|  | eserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |
|  | <ul> <li>Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.</li> <li>Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> </ul>   |
| 7  | . Impoundments of jurisdictional waters.  |
|  | Demonstration of Jurisdiction:  |
|  | OLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF COULD AFFECT INTERSTATE COMMERCE   |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 4B   |                                    |                         |            |                                  |  |
|--|------------------------------------|-------------------------|------------|----------------------------------|--|
| As described in Section 30 possess a significant nexu  | •                                  | •                       | ral draina | ge determined that it did not    |  |
| Explain finding of Other:  |                                    |                         |            |                                  |  |
| <ul><li>Non-wetland waters</li><li>Other waters</li></ul>  |                                    | near feet (ft),<br>cres | 4.66       | width (ft)                       |  |
| ☐ Wetlands   | а                                  | cres                    |            |                                  |  |
| SECTION IV: DATA SOURCES   |                                    |                         |            |                                  |  |
| <ul><li>✓ Maps, Plans, Plots or F</li><li>✓ Data Sheets Prepared,</li><li>☐ Office Concurs with</li><li>☐ Office Does Not Concurs</li></ul>                        | /Submitted on beh<br>n delineation | alf of Applicant        | Itant: W   | estLand Resources, Inc.          |  |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey I</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas        |                         |            |                                  |  |
| ✓ US Geological Survey I<br>Silver Reef Mount  |                                    |                         | osa Mount  | tains NW 7.5-Minute Quadrangles  |  |
| ☐ USDA Nat'l Res Conse   | rvation Service Soil               | Survey Citation         | n·         |                                  |  |
| ☐ National Wetlands Inv☐ State/Local Wetland I   | entory Maps Ci                     | ite Map Name:           |            |                                  |  |
| <ul><li>☐ FEMA/FIR Maps</li><li>☐ 100-year Floodplain El</li></ul>   | evation is:                        |                         | (National  | Geodetic Vertical Datum of 1929) |  |
| ✓ Aerial Photographs (   |                                    |                         | •          | ·                                |  |
| ✓ Other Photographs (  | •                                  | ·                       |            |                                  |  |
| ☐ Previous Determination   | ons File No. and [                 | Date of Response        | Letter:    |                                  |  |
| Applicable/Supporting  |                                    |                         |            |                                  |  |
| ☐ Applicable/Supporting  |                                    | re Citation:            |            |                                  |  |
| Other Information, Ple   | ease Specify:                      |                         |            |                                  |  |

| SECTION I: BACKGROUND INFORM  |   |                                       | 07/20/2042  |                       |
|---|---|---------------------------------------|---|-----------------------|
| A. Report Completion Date for App   |   |                                       | 07/30/2012  |                       |
| B. District Office and File No: Los   |   |                                       |   |                       |
| C. Project Location and Background  |   | Drainage Feature 4                    |   |                       |
| •   |   | 'odham Nation, Pima                   |   | Arizona               |
| Center coordinates of site: Lat.  |   | Long111.9100                          | )   |                       |
| Name of nearest waterbody: Uni  | named Wash 40   |                                       |   |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                  | V: Gila River b   | etween Powers Butte                   | and Gillespie Dam   |                       |
| ✓ Map/Diagram of potential jurise   | dictional area is   | available on request                  |   |                       |
| D. Review Performed for Site Evalu  | ation:  |                                       |   |                       |
| Office Determination. Date:   |   |                                       |   |                       |
| Field Determination. Date: 05/2   | 2012  |                                       |   |                       |
| SECTION II: SUMMARY OF FINDING  | GS  |                                       |   |                       |
| A. RHA Section 10 Determination   |   |                                       |   |                       |
| There Are No "navigable waters  | of the U.S." wi   | thin RHA jurisdiction i               | n the review area.  |                       |
| B. CWA Section 404 Determination  | n of Jurisdiction   | 1                                     |   |                       |
| There Are No "waters of the   | ie U.S." within (   | CWA jurisdiction in the               | e review area.  |                       |
| 1. Waters of the US:  |   |                                       |   |                       |
| Linear Feet   |   | Width (ft) and/or                     | Acres   |                       |
| Limits of Jurisdiction based on:  |   |                                       |   |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol> |   | tlands were assessed                  | and determined not  | to be jurisdictional: |
| Drainage is ephemeral and   | does not qualif   | v as a TNW or RPW. T                  | herefore, this draina   | age could only be     |
| considered jurisdictional if not possess a significant ne                             | it possessed a s  | ignificant nexus with                 |   |                       |
| SECTION III: CWA ANALYSIS   |   |                                       |   |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs  |                                       |   |                       |
| 1. Identified TNW:  |   |                                       |   |                       |
| Rationale for TNW determinat  | ion:  |                                       |   |                       |
| 2. Rationale for conclusion tha   | t any wetlands  | present are "adjacent                 | ":  |                       |
| B. CHARACTERISTICS OF NON-TN\   | N TRIBUTARY A   | ND ITS ADJACENT WE                    | TLANDS  |                       |
| TNW Watershed Size (sq mi):   | 49650   | Tributaries flow                      |   | 4                     |
|   | $\alpha \alpha $ | River Miles from                      | tributary to TNW:   | 30 (or more)          |
| Drainage Area (sq mi):  | 0.00040   |                                       | tributani ta DDM  | 7                     |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                  | 8.5   | River Miles from                      | tributary to RPW:   |                       |
| Drainage Area (sq mi):  |   | River Miles from<br>Aerial Miles fron | tributary to RPW:<br>n tributary to TNW:<br>n tributary to RPW: | 30 (or more)          |

Feature ID: 4C

| dentify flow route to<br>Unnamed drainages                                  |  | :he Analvsi           | s Area are ı | ultimately tribut | arv to the San | ta Rosa Wa | sh. Topography |
|---|--|-----------------------|--------------|-------------------|----------------|------------|----------------|
| suggests the most lik<br>River.   |  | •                     |              | •                 | •              |            |                |
| Tributary is: Natural   |  | Explain:              |              |                   |                |            |                |
| Average Width (ft):   | 6.25   |                       |              |                   |                |            |                |
| Average Depth (ft):   | 1  |                       |              |                   |                |            |                |
|   |  |                       |              |                   |                |            |                |
|   |  | compositic            | n (check al  | l that apply):    |                |            |                |
| Average Side Slopes:  Primary tributary sub  Sands                          | ostrate (  | compositic<br>Cobbles | n (check al  |                   | I □ Vegeta     | ation      |                |
| Primary tributary sub  ✓ Silts □ Sands                                      | ostrate (  | •                     | ☐ Bedro      |                   | I □ Vegeta     | ation      |                |
| Primary tributary sub  ✓ Silts ☐ Sands                                      | ostrate o  | Cobbles<br>Other, E   | ☐ Bedro      |                   | I □ Vegeta     | ation      |                |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  ─ributary Condition/ | ostrate of the state of the sta | Cobbles Other, E      | ☐ Bedro      |                   | I □ Vegeta     | ation      |                |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                       | ostrate of the state of the sta | Cobbles Other, E      | Bedro        | ock 🗹 Grave       | I □ Vegeta     | ation      |                |

| (c) Flow:                  |                       |                                    |   |             |            |                   |
|----------------------------|-----------------------|------------------------------------|---|-------------|------------|-------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average                            | Flow Eve                                  | nts per y   | ear:       | 2-5               |
| Describe Flow Regime:      | Ephemeral             | Other Inf                          | Other Information on Duration and Volume: |             |            |                   |
| Surface Flow is:           | Confined              | Characte                           | ristics:                                  |             |            |                   |
| Subsurface Flow:           | No                    | Explain:                           |   |             |            |                   |
| Tributary Has:             |                       |                                    |   |             |            |                   |
| ☐ Bed and Banks            |                       |                                    |   |             |            |                   |
| ✓ OHWM: OHWM Inc           | dicators:             |                                    |   |             |            |                   |
| ☐ Clear, natural line      | impressed on the bank | $\square$ $\vee$                   | egetatio                                  | n matte     | d down,    | bent or absent    |
| Changes in soil cha        |                       |                                    | eaf litter                                | disturbe    | d or wa    | shed away         |
| ☐ Shelving                 |                       | □ P                                | resence                                   | of litter a | and debi   | ris               |
| ☐ Sediment deposition      | on                    |                                    | estructio                                 | on of teri  | restrial v | egetation         |
| Sediment sorting           |                       | ☐ Abrupt change in plant community |   |             |            |                   |
| ☐ Scour                    |                       |                                    | /lultiple o                               | bserved     | or pred    | icted flow events |
| ☐ Presence of wrack        | line                  | □ <b>v</b>                         | Vater sta                                 | ining       |            |                   |
| Other (list):              |                       |                                    |   |             |            |                   |
| ☐ Discontinuous? Ex        | xplain:               |                                    |   |             |            |                   |
| (iii) Chemical Characteris | stics:                |                                    |   |             |            |                   |
| Characterize Tributa       | ry:                   |                                    |   |             |            |                   |
| Identify Specific Poll     | utants, if known:     |                                    |   |             |            |                   |
| , ,                        | ,                     |                                    |   |             |            |                   |
|                            |                       |                                    |   |             |            |                   |
|                            |                       |                                    |   |             |            |                   |
|                            |                       |                                    |   |             |            |                   |

| Feature ID: 4C   |
|--|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |
| ☐ Riparian Corridor Characteristics:   |
| ☐ Wetland Fringe Characteristics:  |
| Habitat for:   |
| ☐ Federally Listed Species Explain:  |
| ☐ Fish/Spawn Areas Explain:  |
| ☐ Other environmentally -sensitive species Explain:  |
| ☐ Aquatic/Wildlife diversity Explain:  |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                             |
| (i) Physical Characteristics:  |
| Wetland Size (ac): Wetland Type, Explain:  |
| Wetland Quality, Explain:  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |
| Wetland Flow is: Explain:  |
| Surface Flow is: Characteristics:  |
| Subsurface Flow: Explain Findings:   |
| ☐ Wetland Directly Abutting Non-TNW  |
| ☐ Wetland Not Directly Abutting Non-TNW  |
| ☐ Discrete wetland hydrologic connection Explain:  |
| ☐ Ecologcal connection Explain:  |
| ☐ Separated by berm/barrier Explain:   |
| Project Wetlands: River Miles from TNW:  |
| Project Wetlands: Aerial Miles from TNW:   |
| Flow is From:  |
| Approximate Location of Wetland within Floodplain:   |
| (ii) Chemical Characteristics:   |
| Characterize Wetland System:   |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |
| ☐ Riparian Buffer Explain:   |
| ☐ Vegetation type/percent cover. Explain:  |
| Habitat for:   |
| ☐ Federally Listed Species Explain:  |
| ☐ Fish/Spawn Areas Explain:  |
| ☐ Other environmentally-sensitive species Explain:   |
| ☐ Aquatic/Wildlife Diversity Explain:  |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |
| All wetland(s) considered in cumulative analysis:  |
| Wetland acres in total being considered in cumulative analysis:  |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions):    |
| 2 22222 282 Telland (an easily assets the starty), size in deles, overall biological, elicinical or physical falletions. |
|  |
|  |

| C. SIGNIFICANT NEXUS DETERMIN   | NATION  |
|---|---|
| 1. Significant nexus findings fo into TNW. Explain:   | or non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gill discharges, in combination with downstream manmade impour possibility of a hydrologic conn critical habitats were identified does not provide lifecycle supp drainage does not have more the biological integrity of the TNW.   | hage is located more than 100 river miles from the nearest TNW, the Gila River lespie Dam. An analysis of peak yearly discharges and potential flood in the geomorphology of the Analysis Area, the presence of a significant indment (Tat Momolikot Dam), and the distance to the TNW, suggests that the fection between this drainage and the TNW is tenuous. No pollutants or it within the Analysis Area. Additionally, this unnamed ephemeral drainage port functions, nutrients, or organic carbon to species within the TNW. This than a speculative or insubstantial effect on the physical, chemical, and/or. Therefore, this unnamed ephemeral drainage does not possess a significant the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings fo<br>or indirectly into TNW. Explain   | or non-RPW and its adjacent wetlands, where the non-RPW flows directly n:   |
| 3. Significant nexus findings fo<br>Explain:  | or wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| o. DETERMINATIONS OF JURISDI<br>1. TNWs and Adjacent Wetland  | CTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
|   |   |
| ☐ TNWs: Line  | ar Feet Width (ft), Or, Acres   |
| ☐ TNWs: Line  ■ Wetlands adjacent to TNW  | var Feet Width (ft), Or, Acres Vs: Acres  |
| ☐ TNWs: Line ☐ Wetlands adjacent to TNW Reserved for Section III D 2 (RP  | var Feet Width (ft), Or, Acres Vs: Acres VWs):  |
| ☐ TNWs: Line ☐ Wetlands adjacent to TNW Reserved for Section III D 2 (RP  3. Non-RPWs that flow directl ☐ Non-TNW/non-RPW waterl  | war Feet Width (ft), Or, Acres  Ws: Acres  Ws):  y or indirectly into TNWs.  body that flows directly or indirectly into a TNW and has a signficant nexus   |
| ☐ TNWs: Line ☐ Wetlands adjacent to TNW Reserved for Section III D 2 (RP  3. Non-RPWs that flow directly  | war Feet Width (ft), Or, Acres  Ws: Acres  Ws):  y or indirectly into TNWs.  body that flows directly or indirectly into a TNW and has a signficant nexus   |
| □ TNWs: Line  ■ Wetlands adjacent to TNW  Reserved for Section III D 2 (RP  3. Non-RPWs that flow directle  □ Non-TNW/non-RPW waterle  with a TNW, and is therfore  Length (Linear Feet):   | war Feet Width (ft), Or, Acres  Ws: Acres  Ws):  y or indirectly into TNWs.  body that flows directly or indirectly into a TNW and has a signficant nexus a jurisdictional.   |
| □ TNWs: Line  ■ Wetlands adjacent to TNW  Reserved for Section III D 2 (RP  3. Non-RPWs that flow directle  □ Non-TNW/non-RPW waterle  with a TNW, and is therfore  Length (Linear Feet):  Reserved for Section III D 4 (W  | war Feet Width (ft), Or, Acres  Ws: Acres  Ws):  y or indirectly into TNWs.  body that flows directly or indirectly into a TNW and has a signficant nexus a jurisdictional.  Width (feet): Acres:   |
| □ TNWs: Line □ Wetlands adjacent to TNW Reserved for Section III D 2 (RP  3. Non-RPWs that flow directle □ Non-TNW/non-RPW waterle with a TNW, and is therfore Length (Linear Feet):  Reserved for Section III D 4 (W Reserved for Section III D 5 (W   | Width (ft), Or,  Acres  Wis:  Acres  Wys:  Acres  Acres  Wor indirectly into TNWs.  Boody that flows directly or indirectly into a TNW and has a significant nexus a jurisdictional.  Width (feet):  Acres:  Wetlands directly abutting RPWs):  |
| □ TNWs: Line □ Wetlands adjacent to TNW Reserved for Section III D 2 (RP  3. Non-RPWs that flow directle □ Non-TNW/non-RPW waterle with a TNW, and is therfore Length (Linear Feet): Reserved for Section III D 4 (We) Reserved for Section III D 5 (We) 6. Wetlands adjacent to non-   | Width (ft), Or,  Acres  Wis:  Acres  Wys:  Acres  Wys:  Acres  Wor indirectly into TNWs.  Body that flows directly or indirectly into a TNW and has a significant nexus a jurisdictional.  Width (feet):  Acres:  Wetlands directly abutting RPWs):  Wetlands adjacent to but not directly abutting RPWs):  RPWs that flow directly or indirectly into TNWs.  RPWs which, in combination with the tributary and other adjacent wetlands,  |
| □ TNWs: Line □ Wetlands adjacent to TNW Reserved for Section III D 2 (RP  3. Non-RPWs that flow directle □ Non-TNW/non-RPW waterle with a TNW, and is therfore Length (Linear Feet): Reserved for Section III D 4 (Wetlands adjacent to non-Reserved for Section III D 5 (Wetlands adjacent t | Acres  Width (ft), Or,  Acres  Ws):  Acres  Your indirectly into TNWs.  Body that flows directly or indirectly into a TNW and has a significant nexus e jurisdictional.  Width (feet):  Acres:  Wetlands directly abutting RPWs):  Wetlands adjacent to but not directly abutting RPWs):  RPWs that flow directly or indirectly into TNWs.  RPWs which, in combination with the tributary and other adjacent wetlands, in the TNW.  |
| □ TNWs: Line □ Wetlands adjacent to TNW Reserved for Section III D 2 (RP  3. Non-RPWs that flow directle □ Non-TNW/non-RPW waterle with a TNW, and is therfore Length (Linear Feet):  Reserved for Section III D 4 (We) Reserved for Section III D 5 (We) 6. Wetlands adjacent to non-Re has a significant nexus with   | Width (ft), Or,  Acres  Ws:  Acres  Ws):  Yor indirectly into TNWs.  body that flows directly or indirectly into a TNW and has a signficant nexus e jurisdictional.  Width (feet):  Acres:  Wetlands directly abutting RPWs):  Wetlands adjacent to but not directly abutting RPWs):  RPWs that flow directly or indirectly into TNWs.  RPWs which, in combination with the tributary and other adjacent wetlands, in the TNW.  Conal wetland (in acres):   |
| □ TNWs: Line  ■ Wetlands adjacent to TNW Reserved for Section III D 2 (RP  3. Non-RPWs that flow directle □ Non-TNW/non-RPW waterle with a TNW, and is therfore Length (Linear Feet):  Reserved for Section III D 4 (Weetlands adjacent to non-Reserved for Section III D 5 (Wetlands adjacen | Acres  Width (ft), Or,  Acres  Ws:  Acres  Ws):  Yor indirectly into TNWs.  body that flows directly or indirectly into a TNW and has a signficant nexus e jurisdictional.  Width (feet):  Acres:  Wetlands directly abutting RPWs):  Wetlands adjacent to but not directly abutting RPWs):  RPWs that flow directly or indirectly into TNWs.  RPWs which, in combination with the tributary and other adjacent wetlands, in the TNW.  Jonal wetland (in acres):  Jonal wetland (in acres):  Jonal waters.  |
| <ul> <li>□ TNWs: Line</li> <li>□ Wetlands adjacent to TNW</li> <li>Reserved for Section III D 2 (RP</li> <li>3. Non-RPWs that flow directle</li> <li>□ Non-TNW/non-RPW waterle with a TNW, and is therfore Length (Linear Feet):</li> <li>Reserved for Section III D 4 (Weetlands adjacent to non-Reflection of Section III D 5 (Weetlands adjacent to non-Reflection of Section III D 5 (Weetlands adjacent to non-Reflection of Section of Section of Section III D 5 (Weetlands adjacent to non-Reflection of Section of Sectio</li></ul>               | width (ft), Or,  Acres  Acres  Ws:  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Width (feet):  Acres:  Wetlands directly abutting RPWs):  Wetlands adjacent to but not directly abutting RPWs):  RPWs that flow directly or indirectly into TNWs.  RPWs which, in combination with the tributary and other adjacent wetlands, in the TNW.  In an acres  I ional waters.  I ions  G ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 4C   |  |
|--|--|
| As described in Section 30 possess a significant nexus   | 1 above, an analysis of this ephemeral drainage determined that it did not swith the nearest TNW.                                  |
| Explain finding of Other:  |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 1780.75 linear feet (ft), 6.25 width (ft) acres acres  |
| SECTION IV: DATA SOURCES   |  |
| ✓ Data Sheets Prepared/  ☐ Office Concurs with   | lat Submitted by Applicant/Consultant: WestLand Resources, Inc. Submitted on behalf of Applicant delineation ncur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas  |
|  | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                             |
| ☐ USDA Nat'l Res Conser  | vation Service Soil Survey Citation:   |
| <ul><li>□ National Wetlands Inv</li><li>□ State/Local Wetland In</li><li>□ FEMA/FIR Maps</li></ul>   |  |
| ☐ 100-year Floodplain El   | evation is: (National Geodetic Vertical Datum of 1929)   |
|  | Name and Date): BING, Microsoft Virtual Earth 2008   |
| •  | Name and Date): Ground Photos; May 2012  |
| Previous Determination   | ns File No. and Date of Response Letter:   |
| ☐ Applicable/Supporting  | Case Law Citation:   |
| ☐ Applicable/Supporting  | Scientific Literature Citation:  |
| Other Information, Ple   | ase Specify:   |

| SECTION I: BACKGROUND INFORMATION  |                              |
|--|------------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                              |
| B. District Office and File No: Los Angeles District, File No. Pending   |                              |
| C. Project Location and Background Information: Drainage Feature 5   |                              |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Cour   | nties, Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                              |
| Name of nearest waterbody: Unnamed Wash 5  |                              |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie  | Dam                          |
| HUC Code: 15050306   |                              |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                              |
| D. Review Performed for Site Evaluation:   |                              |
| Office Determination. Date:  |                              |
| Field Determination. Date: 05/2012   |                              |
|  |                              |
| SECTION II: SUMMARY OF FINDINGS  |                              |
| A. RHA Section 10 Determination of Jurisdiction  | <b>*</b> 00                  |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review a  | rea.                         |
| B. CWA Section 404 Determination of Jurisdiction   |                              |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.  |                              |
| 1. Waters of the US:   |                              |
| Linear Feet Width (ft) and/or Acr  | es                           |
| Limits of Jurisdiction based on:   |                              |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determine</li></ul>  | ed not to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this considered jurisdictional if it possessed a significant nexus with a downstream not possess a significant nexus with the downstream TNW. |                              |
| SECTION III: CWA ANALYSIS  |                              |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                              |
| 1. Identified TNW:   |                              |
| Rationale for TNW determination:   |                              |
|  |                              |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                              |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                              |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                            |
| Drainage Area (sq mi): 0.00023 River Miles from tributary to T   | -                            |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to R  |                              |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to 1  Aerial Miles from tributary to 1   | -                            |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                              |

| eature ID: 5           |                    |  |
|------------------------|--------------------|--|
| Identify flow route to | TNW:               |  |
|                        | •                  | sis Area are ultimately tributary to the Santa Rosa Wash. Topography ential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural  | Explain:           |  |
| Average Width (ft):    | 5.02               |  |
| Average Depth (ft):    | 1                  |  |
| Average Side Slopes:   | 2:1                |  |
| ✓ Silts □ Sands        | ☐ Cobbles          | ion (check all that apply):  ☐ Bedrock ☑ Gravel ☐ Vegetation  Explain:   |
| Tributary Condition/S  | tability. Explain: | Stable   |
| Presence of Run/Riffle | e/Pool Complexe    | es. Explain: Not Present   |
| Tributary Geometry:    | Relatively Str     | aight  |
| Tributary Gradient (ap | proximate aver     | rage slope): 2%  |
|                        |                    |  |

| (c) Flow:                  |                                   |  |                 |   |                |  |  |
|----------------------------|-----------------------------------|--|-----------------|---|----------------|--|--|
| Tributary Provides for:    | Average Flow Events per year: 2-5 |  |                 |   |                |  |  |
| Describe Flow Regime:      | scribe Flow Regime: Ephemeral     |  |                 | Other Information on Duration and Volume: |                |  |  |
| Surface Flow is:           | Confined                          | Characte                                     | ristics:        |   |                |  |  |
| Subsurface Flow:           | No                                | Explain:                                     |                 |   |                |  |  |
| Tributary Has:             |                                   |  |                 |   |                |  |  |
|                            |                                   |  |                 |   |                |  |  |
| ✓ OHWM: OHWM Inc           | dicators:                         |  |                 |   |                |  |  |
|                            | impressed on the bank             | $\square$ $\lor$                             | egetation m     | atted down,                               | bent or absent |  |  |
| Changes in soil changes    | •                                 |  | eaf litter dist | -   |                |  |  |
| ☐ Shelving                 |                                   | □ P  | resence of li   | tter and deb                              | ris            |  |  |
| ☐ Sediment depositi        | on                                | <b>✓</b> [                                   | estruction o    | f terrestrial                             | vegetation     |  |  |
| Sediment sorting           |                                   |  | Abrupt chang    | e in plant co                             | mmunity        |  |  |
| ☐ Scour                    |                                   | ☐ Multiple observed or predicted flow events |                 |   |                |  |  |
| ☐ Presence of wrack        | line                              | □ <b>v</b>                                   | Vater stainin   | g   |                |  |  |
| Other (list):              |                                   |  |                 |   |                |  |  |
| ☐ Discontinuous? Ex        | xplain:                           |  |                 |   |                |  |  |
| (iii) Chemical Characteris | stics:                            |  |                 |   |                |  |  |
| •                          |                                   |  |                 |   |                |  |  |
| Characterize Tributa       |                                   |  |                 |   |                |  |  |
| Identify Specific Poll     | utants, if known:                 |  |                 |   |                |  |  |
|                            |                                   |  |                 |   |                |  |  |
|                            |                                   |  |                 |   |                |  |  |
|                            |                                   |  |                 |   |                |  |  |
|                            |                                   |  |                 |   |                |  |  |

| Feature ID: 5   |  |
|---|--|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |  |
| Riparian Corridor Characteristics:  |  |
| ☐ Wetland Fringe Characteristics:   |  |
| Habitat for:  |  |
| ☐ Federally Listed Species Explain:   |  |
| ☐ Fish/Spawn Areas Explain:   |  |
| ☐ Other environmentally -sensitive species Explain:   |  |
| ☐ Aquatic/Wildlife diversity Explain:   |  |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                          |  |
| (i) Physical Characteristics:   |  |
| Wetland Size (ac): Wetland Type, Explain:   |  |
| Wetland Quality, Explain:   |  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |  |
| Wetland Flow is: Explain:   |  |
| Surface Flow is: Characteristics:   |  |
| Subsurface Flow: Explain Findings:  |  |
| ☐ Wetland Directly Abutting Non-TNW   |  |
| ☐ Wetland Not Directly Abutting Non-TNW   |  |
| ☐ Discrete wetland hydrologic connection Explain:   |  |
| ☐ Ecologcal connection Explain:   |  |
| ☐ Separated by berm/barrier Explain:  |  |
| Project Wetlands: River Miles from TNW:   |  |
| Project Wetlands: Aerial Miles from TNW:  |  |
| Flow is From:   |  |
| Approximate Location of Wetland within Floodplain:  |  |
| (ii) Chemical Characteristics:  |  |
| Characterize Wetland System:  |  |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |  |
| Riparian Buffer Explain:  |  |
| ☐ Vegetation type/percent cover. Explain:   |  |
| Habitat for:  |  |
| ☐ Federally Listed Species Explain:   |  |
| ☐ Fish/Spawn Areas Explain:   |  |
| ☐ Other environmentally-sensitive species Explain:  |  |
| ☐ Aquatic/Wildlife Diversity Explain:   |  |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |  |
| All wetland(s) considered in cumulative analysis:   |  |
| Wetland acres in total being considered in cumulative analysis:   |  |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions): |  |
| Describe each wedand (directly about tributary), size in deres, overall biological, chemical or physical functions).  |  |
|   |  |
|   |  |

| c. s                            | GNIFICANT NEXUS DETERMINATION  |
|---------------------------------|--|
|                                 | Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly ito TNW. Explain:  |
| b<br>d<br>d<br>p<br>c<br>d<br>d | his unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River etween Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood ischarges, in combination with the geomorphology of the Analysis Area, the presence of a significant ownstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the ossibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or ritical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage ones not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This rainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or isological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant exus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. |
|                                 | . Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly r indirectly into TNW. Explain:   |
|                                 | . Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. xplain:  |
| ). C                            | ETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| 1                               | . TNWs and Adjacent Wetlands   |
|                                 | TNWs: Linear Feet Width (ft), Or, Acres  |
| [                               | Wetlands adjacent to TNWs: Acres   |
| F                               | eserved for Section III D 2 (RPWs):  |
| 3                               | . Non-RPWs that flow directly or indirectly into TNWs.   |
| [                               | Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  |
|                                 | Length (Linear Feet): Width (feet): Acres:   |
|                                 | Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |
|                                 | Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |
|                                 | 5. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   |
|                                 | ■ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.   |
|                                 | Estimated size of jurisdictional wetland (in acres):   |
|                                 | 7. Impoundments of jurisdictional waters.  |
|                                 | Demonstration of Jurisdiction:   |
|                                 | COLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF ICH COULD AFFECT INTERSTATE COMMERCE   |
|                                 |  |
|                                 | Supporting rationale:  |

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 5  |   |
|--|---|
| As described in Section 30 possess a significant nexu  | 1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW.                                    |
| Explain finding of Other:  |   |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 1253.80 linear feet (ft), 5.02 width (ft) acres acres   |
| SECTION IV: DATA SOURCES   |   |
| ✓ Data Sheets Prepared,  ☐ Office Concurs with   | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  Submitted on behalf of Applicant delineation  ncur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey H</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas   |
| ✓ US Geological Survey I   | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                |
| <ul><li>□ USDA Nat'l Res Conser</li><li>□ National Wetlands Inv</li><li>□ State/Local Wetland In</li></ul>   |   |
| ☐ FEMA/FIR Maps ☐ 100-year Floodplain El   | evation is: (National Geodetic Vertical Datum of 1929)  |
| •  | Name and Date): BING, Microsoft Virtual Earth 2008  Name and Date): Ground Photos; May 2012   |
|  | ns File No. and Date of Response Letter:  |
| Applicable/Supporting     Other Information, Ple   | Scientific Literature Citation:   |

| SECTION I: BACKGROUND INFORM                         | IATION   |  |                       |
|--|--|--|-----------------------|
| A. Report Completion Date for App                    | roved Jurisdictional Determination:  | 07/30/2012                                 |                       |
| B. District Office and File No: Los                  | Angeles District, File No. Pending   |  |                       |
| C. Project Location and Background                   | Information: Drainage Feature 5  | 0  |                       |
| City, County, State Sif Oidak Dis                    | trict, Tohono O'odham Nation, Pima   | and Pinal Counties, A                      | Arizona               |
| Center coordinates of site: Lat.                     | 32.5073 Long111.9100   | )  |                       |
| Name of nearest waterbody: Uni                       | named Wash 50  |  |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306 | V: Gila River between Powers Butte   | and Gillespie Dam                          |                       |
| ✓ Map/Diagram of potential jurise                    | dictional area is available on request   |  |                       |
| D. Review Performed for Site Evalu                   | ation:   |  |                       |
| Office Determination. Date:                          |  |  |                       |
| Field Determination. Date: 05/2                      | 2012   |  |                       |
| SECTION II: SUMMARY OF FINDING                       |  |  |                       |
| A. RHA Section 10 Determination                      |  |  |                       |
|  | of the U.S." within RHA jurisdiction i   | n the review area.                         |                       |
| B. CWA Section 404 Determination                     | •  |  |                       |
|  | ie U.S." within CWA jurisdiction in the  | review area.                               |                       |
| 1. Waters of the US:                                 | <b>,</b>   |  |                       |
| Linear Feet  | Width (ft) and/or  | Acres                                      |                       |
| Limits of Jurisdiction based on:                     |  | , teres                                    |                       |
| 2. Non-Regulated Waters/Wet                          |  | and determined not                         | to be jurisdictional: |
| considered jurisdictional if                         | does not qualify as a TNW or RPW. T<br>it possessed a significant nexus with a<br>xus with the downstream TNW. |  |                       |
| SECTION III: CWA ANALYSIS                            |  |  |                       |
| A. TNWs AND WETLANDS ADJACE                          | NT TO TNWs   |  |                       |
| 1. Identified TNW:                                   |  |  |                       |
| Rationale for TNW determinat                         | ion:   |  |                       |
| 2. Rationale for conclusion tha                      | t any wetlands present are "adjacent   | <b>":</b>                                  |                       |
| B. CHARACTERISTICS OF NON-TN\                        | N TRIBUTARY AND ITS ADJACENT WE  | TLANDS                                     |                       |
| TNW Watershed Size (sq mi):                          | 49650 Tributaries flow   |  | 4                     |
| Drainage Area (sq mi):                               |  | tributary to TNW:                          | 30 (or more)          |
| Average Annual Rainfall (in):                        |  | tributary to RPW:                          | 20 (or more)          |
| Average Annual Snowfall (in):                        |  | n tributary to TNW:<br>n tributary to RPW: | 30 (or more)          |
| ☐ Project waters cross or serv                       |  | , ,  |                       |

| IDENTITY FIOW POLITE TO | TAILA/.               |  |
|-------------------------|-----------------------|--|
| Identify flow route to  |                       |  |
| •                       | •                     | is Area are ultimately tributary to the Santa Rosa Wash. Topography ntial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural   | Explain:              |  |
| Average Width (ft):     | 7.99                  |  |
| Average Depth (ft):     | 1                     |  |
| Average Side Slopes: 2  | 2:1                   |  |
| ✓ Silts ☐ Sands         | Cobbles  uck Other, E | on (check all that apply):   |
| Tributary Condition/St  | ability. Explain:     | Stable   |
| Presence of Run/Riffle, | •                     | ·  |
| Tributary Geometry:     | Relatively Stra       | ight   |
| Tributary Gradient (ap  | proximate avera       | age slope): 2%   |

| Tributary Provides for: Ephemeral Flow Average Flow Events per year: 2-5  Describe Flow Regime: Ephemeral Other Information on Duration and Volume: Confined Characteristics: Subsurface Flow: No Explain: |
|--|
| Surface Flow is: Confined Characteristics: Subsurface Flow: Explain:   |
| Subsurface Flow: No Explain:   |
|  |
|  |
| Tributary Has:   |
| ☐ Bed and Banks  |
| ✓ OHWM: OHWM Indicators:   |
| $\square$ Clear, natural line impressed on the bank $\square$ Vegetation matted down, bent or absent   |
| ✓ Changes in soil character ☐ Leaf litter disturbed or washed away   |
| ☐ Shelving ☐ Presence of litter and debris   |
| ☐ Sediment deposition  |
| ✓ Sediment sorting   ☐ Abrupt change in plant community  |
| $\square$ Scour $\square$ Multiple observed or predicted flow events   |
| ☐ Presence of wrack line ☐ Water staining  |
| Other (list):  |
| ☐ Discontinuous? Explain:  |
| (iii) Chemical Characteristics:  |
| Characterize Tributary:  |
| Identify Specific Pollutants, if known:  |
|  |
|  |
|  |
|  |

| Feature ID: 50  |  |
|---|--|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |  |
| Riparian Corridor Characteristics:  |  |
| ☐ Wetland Fringe Characteristics:   |  |
| Habitat for:  |  |
| ☐ Federally Listed Species Explain:   |  |
| ☐ Fish/Spawn Areas Explain:   |  |
| ☐ Other environmentally -sensitive species Explain:   |  |
| ☐ Aquatic/Wildlife diversity Explain:   |  |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                          |  |
| (i) Physical Characteristics:   |  |
| Wetland Size (ac): Wetland Type, Explain:   |  |
| Wetland Quality, Explain:   |  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |  |
| Wetland Flow is: Explain:   |  |
| Surface Flow is: Characteristics:   |  |
| Subsurface Flow: Explain Findings:  |  |
| ☐ Wetland Directly Abutting Non-TNW   |  |
| ☐ Wetland Not Directly Abutting Non-TNW   |  |
| ☐ Discrete wetland hydrologic connection Explain:   |  |
| ☐ Ecologcal connection Explain:   |  |
| ☐ Separated by berm/barrier Explain:  |  |
| Project Wetlands: River Miles from TNW:   |  |
| Project Wetlands: Aerial Miles from TNW:  |  |
| Flow is From:   |  |
| Approximate Location of Wetland within Floodplain:  |  |
| (ii) Chemical Characteristics:  |  |
| Characterize Wetland System:  |  |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |  |
| Riparian Buffer Explain:  |  |
| ☐ Vegetation type/percent cover. Explain:   |  |
| Habitat for:  |  |
| Federally Listed Species Explain:   |  |
| ☐ Fish/Spawn Areas Explain:   |  |
| ☐ Other environmentally-sensitive species Explain:  |  |
| ☐ Aquatic/Wildlife Diversity Explain:   |  |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |  |
| All wetland(s) considered in cumulative analysis:   |  |
| Wetland acres in total being considered in cumulative analysis:   |  |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions): |  |
| Describe each wedand (an early about tributary), size in dores, overall biological, chemical or physical functions).  |  |
|   |  |
|   |  |

| _   | NEXUS DETERMINATION   |
|---|---|
| into TNW. Ex  | nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly plain:  |
| between Pow<br>discharges, in<br>downstream r<br>possibility of a<br>critical habital<br>does not prov<br>drainage does<br>biological inte  | ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River ers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood combination with the geomorphology of the Analysis Area, the presence of a significant nanmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the hydrologic connection between this drainage and the TNW is tenuous. No pollutants or as were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage ide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This not have more than a speculative or insubstantial effect on the physical, chemical, and/or grity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant a TNW reach of the Gila River between Powers Butte and Gillespie Dam. |
| _   | nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly nto TNW. Explain:  |
| 3. Significant Explain:   | nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| DETERMINAT  | IONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| 1. TNWs and   | Adjacent Wetlands   |
| ☐ TNWs:   | Linear Feet Width (ft), Or, Acres   |
| Wetlands  | adjacent to TNWs: Acres   |
|   | Section III D 2 (RPWs):   |
|   | that flow directly or indirectly into TNWs.   |
|   | non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus   |
|   | V, and is therfore jurisdictional.  |
|   | V, and is therfore jurisdictional. near Feet): Acres:   |
| with a TN\<br>Length (Li  |   |
| with a TN\<br>Length (Lin<br>Reserved for   | near Feet): Width (feet): Acres:  |
| with a TNV<br>Length (Lin<br>Reserved for<br>Reserved for   | near Feet):  Width (feet):  Acres:  Section III D 4 (Wetlands directly abutting RPWs):  |
| with a TNV Length (Lin Reserved for Reserved for 6. Wetlands  Wetland   | Section III D 4 (Wetlands directly abutting RPWs):  Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |
| with a TNN Length (Lin Reserved for Reserved for 6. Wetlands  Wetland a has a sign  | Near Feet):  Width (feet):  Section III D 4 (Wetlands directly abutting RPWs):  Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  adjacent to non-RPWs that flow directly or indirectly into TNWs.  adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands,  |
| with a TNV Length (Lin Reserved for Reserved for 6. Wetlands has a sign Estimated   | Section III D 4 (Wetlands directly abutting RPWs): Section III D 5 (Wetlands adjacent to but not directly abutting RPWs): adjacent to non-RPWs that flow directly or indirectly into TNWs. adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, ificant nexus with the TNW.   |
| with a TNN Length (Lin Reserved for Reserved for 6. Wetlands  Wetlands has a sign Estimated 7. Impounds   | Section III D 4 (Wetlands directly abutting RPWs): Section III D 5 (Wetlands adjacent to but not directly abutting RPWs): adjacent to non-RPWs that flow directly or indirectly into TNWs. adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, ificant nexus with the TNW.  size of jurisdictional wetland (in acres):   |
| with a TNN Length (Lin Reserved for Reserved for 6. Wetlands Wetland a has a sign Estimated 7. Impoundn Demonstr  | Section III D 4 (Wetlands directly abutting RPWs): Section III D 5 (Wetlands adjacent to but not directly abutting RPWs): adjacent to non-RPWs that flow directly or indirectly into TNWs. adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, ificant nexus with the TNW. size of jurisdictional wetland (in acres): nents of jurisdictional waters. action of Jurisdiction:  |
| with a TNN Length (Lin Reserved for Reserved for 6. Wetlands Wetlands has a sign Estimated 7. Impoundn Demonst  | Section III D 4 (Wetlands directly abutting RPWs): Section III D 5 (Wetlands adjacent to but not directly abutting RPWs): adjacent to non-RPWs that flow directly or indirectly into TNWs. adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, ificant nexus with the TNW. size of jurisdictional wetland (in acres): nents of jurisdictional waters.  |
| with a TNN Length (Lin Reserved for Reserved for 6. Wetlands Wetlands has a sign Estimated 7. Impoundn Demonst  | Section III D 4 (Wetlands directly abutting RPWs): Section III D 5 (Wetlands adjacent to but not directly abutting RPWs): adjacent to non-RPWs that flow directly or indirectly into TNWs. adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, ificant nexus with the TNW. asize of jurisdictional wetland (in acres): ments of jurisdictional waters. action of Jurisdiction: TERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF AFFECT INTERSTATE COMMERCE  |
| with a TNN Length (Lin Reserved for Reserved for 6. Wetlands Wetland a has a sign Estimated 7. Impoundn Demonstr  | Section III D 4 (Wetlands directly abutting RPWs): Section III D 5 (Wetlands adjacent to but not directly abutting RPWs): adjacent to non-RPWs that flow directly or indirectly into TNWs. adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, ificant nexus with the TNW. size of jurisdictional wetland (in acres): nents of jurisdictional waters. ation of Jurisdiction: TERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF AFFECT INTERSTATE COMMERCE  |
| with a TNN Length (Lin Reserved for Reserved for 6. Wetlands Wetlands has a sign Estimated 7. Impoundn Demonstr ISOLATED WA HICH COULD A Supporting ra Length (linea              | Section III D 4 (Wetlands directly abutting RPWs): Section III D 5 (Wetlands adjacent to but not directly abutting RPWs): adjacent to non-RPWs that flow directly or indirectly into TNWs. adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, ificant nexus with the TNW. size of jurisdictional wetland (in acres): nents of jurisdictional waters. ation of Jurisdiction: TERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF AFFECT INTERSTATE COMMERCE  |
| with a TNN Length (Lin Reserved for Reserved for 6. Wetlands Wetlands has a sign Estimated 7. Impoundn Demonstr ISOLATED WA HICH COULD A Supporting ra Length (lineal NON-JURISDI | Section III D 4 (Wetlands directly abutting RPWs):  Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  adjacent to non-RPWs that flow directly or indirectly into TNWs.  adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, ificant nexus with the TNW.  size of jurisdictional wetland (in acres):  nents of jurisdictional waters.  ation of Jurisdiction:  TERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF AFFECT INTERSTATE COMMERCE  ationale:  r feet):  Acres:  |

| Feature ID: 50   |  |
|--|--|
| As described in Section 3C possess a significant nexus   | 1 above, an analysis of this ephemeral drainage determined that it did not swith the nearest TNW.                                    |
| Explain finding of Other:  |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 904.49 linear feet (ft), 7.99 width (ft) acres acres   |
| SECTION IV: DATA SOURCES   |  |
| ✓ Data Sheets Prepared/  ☐ Office Concurs with   | lat Submitted by Applicant/Consultant: WestLand Resources, Inc.  Submitted on behalf of Applicant delineation  ncur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas  |
|  | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                               |
| ☐ National Wetlands Inv  |  |
| FEMA/FIR Maps  | (National Condatio Vertical Datum of 1020)   |
| <ul><li>☐ 100-year Floodplain El</li><li>☑ Aerial Photographs ()</li></ul>   | evation is: (National Geodetic Vertical Datum of 1929) Name and Date): BING, Microsoft Virtual Earth 2008                            |
| • • • •  | Name and Date): Ground Photos; May 2012  |
|  | ns File No. and Date of Response Letter:   |
| ☐ Applicable/Supporting  |  |
| ☐ Applicable/Supporting  |  |
| Other Information, Ple   | ase Specify:   |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>     |                   |                                       |             |                      |
|---|-------------------|-------------------|---------------------------------------|-------------|----------------------|
| A. Report Completion Date for App   | roved Jurisdicti  | onal Determinat   | tion: 07/30/2                         | .012        |                      |
| B. District Office and File No: Los   | Angeles District  | , File No. Pendir | ng                                    |             |                      |
| C. Project Location and Background  | d Information:    | Drainage Feat     | ure 50A                               |             |                      |
| City, County, State Sif Oidak Dis   | strict, Tohono O  | odham Nation,     | Pima and Pinal                        | Counties, A | rizona               |
| Center coordinates of site: Lat.  | 32.5073           | Long111           | 1.9100                                |             |                      |
| Name of nearest waterbody: Un   | named Wash 50     | )A                |                                       |             |                      |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River b   | etween Powers     | Butte and Gilles                      | spie Dam    |                      |
| ✓ Map/Diagram of potential juris  | dictional area is | available on red  | quest                                 |             |                      |
| D. Review Performed for Site Evalu  | ation:            |                   |                                       |             |                      |
| Office Determination. Date:   |                   |                   |                                       |             |                      |
| Field Determination. Date: 05/  | 2012              |                   |                                       |             |                      |
| SECTION II: SUMMARY OF FINDIN   | GS                |                   |                                       |             |                      |
| A. RHA Section 10 Determination   |                   |                   |                                       |             |                      |
| There Are No "navigable waters  |                   | thin RHA jurisdio | ction in the revi                     | ew area.    |                      |
| B. CWA Section 404 Determination  | n of Jurisdiction | า                 |                                       |             |                      |
| There Are No "waters of the   | ne U.S." within C | CWA jurisdiction  | in the review a                       | rea.        |                      |
| 1. Waters of the US:  |                   |                   |                                       |             |                      |
| Linear Feet   |                   | Width (ft) and/o  | or                                    | Acres       |                      |
| Limits of Jurisdiction based on:  |                   |                   |                                       |             |                      |
| 2. Non-Regulated Waters/Wet   | lands:            |                   |                                       |             |                      |
| ✓ Potentially jurisdictional wa   | iters and/or we   | tlands were asse  | essed and deter                       | mined not t | o be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a s  | ignificant nexus  | with a downstr                        | _           | •                    |
| SECTION III: CWA ANALYSIS   |                   |                   |                                       |             |                      |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs       |                   |                                       |             |                      |
| 1. Identified TNW:  |                   |                   |                                       |             |                      |
| Rationale for TNW determinate   | tion:             |                   |                                       |             |                      |
| 2. Rationale for conclusion tha   | t any wetlands    | present are "adj  | acent":                               |             |                      |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY A     | ND ITS ADJACEN    | IT WETLANDS                           |             |                      |
| TNW Watershed Size (sq mi):   | 49650             |                   | flow to TNW:                          |             | 4                    |
| Drainage Area (sq mi):  | 0.00012           |                   | s from tributary                      |             | 30 (or more)         |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 8.5<br>0          |                   | s from tributary<br>es from tributary |             | 30 (or more)         |
| Average Alliau Silowiai (III).  | 5                 |                   | es from tributary                     |             | o (or more)          |
| ☐ Project waters cross or serv  | ve as state boun  |                   |                                       |             |                      |

Feature ID: 50A

| _  | within t  | •                   | ultimately tributary to the Santa Rosa Wash. Topography<br>Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|--|-----------|---------------------|---|
| Tributary is: Natural                        |           | Explain:            |   |
| Average Width (ft):                          | 5.42      |                     |   |
| Average Depth (ft):                          | 1         |                     |   |
| Average Side Slopes:                         | 2:1       |                     |   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ N               | /luck     | Cobbles             | ock ☑ Gravel □ Vegetation   |
| Tributary Condition/S                        | Stability | y. Explain: Stable  |   |
|  | e/Pool    | Complexes. Explain: | Not Present   |
| Presence of Run/Riffl                        |           | ntively Straight    |   |
| Presence of Run/Riffl<br>Tributary Geometry: | Rela      | ,                   |   |

| (c) Flow:                       |                      |  |           |             |         |               |  |
|---------------------------------|----------------------|--|-----------|-------------|---------|---------------|--|
| Tributary Provides for:         | Ephemeral Flow       | Average Flow Events per year: 2-5                    |           |             |         |               |  |
| Describe Flow Regime:           | Ephemeral            | Other Inf  | ormatic   | n on Durat  | ion and | Volume:       |  |
| Surface Flow is:                | Confined             | Characte   | ristics:  |             |         |               |  |
| Subsurface Flow:                | No                   | Explain:   |           |             |         |               |  |
| Tributary Has:                  |                      |  |           |             |         |               |  |
| ☐ Bed and Banks                 |                      |  |           |             |         |               |  |
| ✓ OHWM: OHWM Inc                | dicators:            |  |           |             |         |               |  |
| $\square$ Clear, natural line i | mpressed on the bank | . □ V  | egetati   | on matted ( | down, b | ent or absent |  |
| ✓ Changes in soil cha           | racter               |  | eaf litte | r disturbed | or wasl | ned away      |  |
| ☐ Shelving                      | □ P                  | ☐ Presence of litter and debris                      |           |             |         |               |  |
| ☐ Sediment deposition           | <b>V</b>             | Destruction of terrestrial vegetation                |           |             |         |               |  |
| Sediment sorting                |                      | ☐ Abrupt change in plant community                   |           |             |         |               |  |
| ☐ Scour                         |                      | $\square$ Multiple observed or predicted flow events |           |             |         |               |  |
| ☐ Presence of wrack             | $\square$ V          | ☐ Water staining                                     |           |             |         |               |  |
| Other (list):                   |                      |  |           |             |         |               |  |
| ☐ Discontinuous? Ex             | cplain:              |  |           |             |         |               |  |
| (iii) Chemical Characteris      | tics                 |  |           |             |         |               |  |
| •                               |                      |  |           |             |         |               |  |
| Characterize Tributa            |                      |  |           |             |         |               |  |
| Identify Specific Poll          | utants, if known:    |  |           |             |         |               |  |
|                                 |                      |  |           |             |         |               |  |
|                                 |                      |  |           |             |         |               |  |
|                                 |                      |  |           |             |         |               |  |
|                                 |                      |  |           |             |         |               |  |

| Feature ID: 50A   |  |
|---|--|
| (iv) Biological Characteristics. Cha  | nnel supports (check all that apply):  |
| ☐ Riparian Corridor Characte  | eristics:  |
| ☐ Wetland Fringe Characteri   | stics:   |
| Habitat for:  |  |
| ☐ Federally Listed Species ■  | Explain:   |
| ☐ Fish/Spawn Areas E  | Explain:   |
| $\square$ Other environmentally -ser  | nsitive species Explain:   |
| ☐ Aquatic/Wildlife diversity  | Explain:   |
| 2 Characteristics of wetlands adi   | acent to non-TNW that flow directly or indirectly into TNW                               |
| (i) Physical Characteristics:   | decire to non-river that now directly of maneetly into river                             |
| Wetland Size (ac):  | Wetland Type, Explain:   |
| Wetland Quality, Explain:   | .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,  |
|   | ve as State Boundaries, Explain:   |
| Wetland Flow is:  | Explain:   |
| Surface Flow is:  | Characteristics:   |
| Subsurface Flow:  | Explain Findings:  |
| ☐ Wetland Directly Abutting   | Non-TNW  |
| ☐ Wetland Not Directly Abutt  |  |
| ☐ Discrete wetland hydrole  |  |
| ☐ Ecologcal connection E  |  |
| ☐ Separated by berm/barr  |  |
| Project Wetlands: River Miles   | from TNW:  |
| Project Wetlands: Aerial Miles  | s from TNW:  |
| Flow is From:   |  |
| Approximate Location of Wet   | land within Floodplain:  |
| (ii) Chemical Characteristics:  |  |
| Characterize Wetland System   | :  |
|   | tland supports (check all that apply):   |
|   | tialiu supports (check ali tilat apply).   |
| <ul><li>☐ Riparian Buffer Explain:</li><li>☐ Vegetation type/percent of the company of the comp</li></ul> | sover Evalain  |
| Habitat for:  | Lover: Explain:  |
| ☐ Federally Listed Species  | Explain:   |
| ☐ Fish/Spawn Areas Expla  |  |
| ☐ Other environmentally-s   |  |
| ☐ Aquatic/Wildlife Diversit   | ·  |
| 2 Characteristics of all wetlands   | adjacent to the non-TNW tributary (if any)   |
|   |  |
| All wetland(s) considered in c  |  |
|   | considered in cumulative analysis:   |
| Describe each wetland (direct   | ly abuts tributary?; size in acres; overall biological, chemical or physical functions): |
|   |  |
|   |  |

| . SIGNIFICANT NEXUS DETERMINA  | TION  |
|--|---|
| 1. Significant nexus findings for nainto TNW. Explain:   | on-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gillesp<br>discharges, in combination with the<br>downstream manmade impounded<br>possibility of a hydrologic connect<br>critical habitats were identified with<br>does not provide lifecycle support<br>drainage does not have more than<br>biological integrity of the TNW. The | e is located more than 100 river miles from the nearest TNW, the Gila River ie Dam. An analysis of peak yearly discharges and potential flood e geomorphology of the Analysis Area, the presence of a significant nent (Tat Momolikot Dam), and the distance to the TNW, suggests that the ion between this drainage and the TNW is tenuous. No pollutants or thin the Analysis Area. Additionally, this unnamed ephemeral drainage functions, nutrients, or organic carbon to species within the TNW. This is a speculative or insubstantial effect on the physical, chemical, and/or erefore, this unnamed ephemeral drainage does not possess a significant Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for n or indirectly into TNW. Explain:   | on-RPW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for w Explain:   | etlands adjacent to an RPW but that do not directly abut the RPW.   |
| ☐ TNWs: Linear I ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs  | Acres   |
| 3. Non-RPWs that flow directly o   |   |
| <u> </u>   | y that flows directly or indirectly into a TNW and has a signficant nexus risdictional.   |
| Reserved for Section III D 4 (Wetl   |   |
| ·  | ands adjacent to but not directly abutting RPWs):   |
| ·  | Vs that flow directly or indirectly into TNWs.  |
| •  | /s which, in combination with the tributary and other adjacent wetlands, e TNW.   |
| 7. Impoundments of jurisdiction  |   |
| Demonstration of Jurisdiction  |   |
| E. ISOLATED WATERS, INCLUDING IS   | SOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  |
| WHICH COULD AFFECT INTERSTATE  |   |
| Supporting rationale: Length (linear feet):  | Acres:  |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 50A                                 |   |  |              |                     |                |  |
|---|---|--|--------------|---------------------|----------------|--|
|   | ection 3C1 above, an a  | analysis of this ephemorest TNW.                     | eral drainag | e determined that   | t it did not   |  |
| Explain finding of                              | Other:  |  |              |                     |                |  |
| ✓ Non-wetland v  ☐ Other waters  ☐ Wetlands     | vaters 602  | .15 linear feet (ft), acres acres                    | 5.42 w       | ridth (ft)          |                |  |
| SECTION IV: DATA SO                             | OURCES  |  |              |                     |                |  |
| ✓ Data Sheets P                                 | Plots or Plat Submitte repared/Submitted o curs with delineation as Not Concur with de        |  | ultant: We   | stLand Resources,   | , Inc.         |  |
| ☐ Corps Navigal☐ US Geological☐ USGS NHI        |   | las  |              |                     |                |  |
| ✓ US Geological                                 | nd 12 digit HUC Map<br>Survey Map(s) Scalor<br>of Mountains SE, Nortl                         | e and Quad Name:<br>n Komelik, and Santa R           | osa Mounta   | ains NW 7.5-Minu    | te Quadrangles |  |
| ☐ National Wet<br>☐ State/Local W<br>☐ FEMA/FIR | es Conservation Services Conservation Services and Inventory Maps Maps delation Elevation is: | Cite Map Name:                                       |              | Geodetic Vertical [ | Datum of 1929) |  |
| -   | •   | te): BING, Microsoft                                 |              | h 2008              |                |  |
| ☐ Previous Dete ☐ Applicable/Su ☐ Applicable/Su | rminations File No.   | and Date of Response Citation:  Citation:  Citation: |              |                     |                |  |

| SECTION I: BACKGROUND INFORMATION  |                         |
|--|-------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                         |
| B. District Office and File No: Los Angeles District, File No. Pending   |                         |
| C. Project Location and Background Information: Drainage Feature 51  |                         |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties,  | , Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                         |
| Name of nearest waterbody: Unnamed Wash 51   |                         |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam  |                         |
| HUC Code: 15050306   |                         |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                         |
| D. Review Performed for Site Evaluation:   |                         |
| Office Determination. Date:  |                         |
| Field Determination. Date: 05/2012   |                         |
|  |                         |
| SECTION II: SUMMARY OF FINDINGS  |                         |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.   |                         |
|  |                         |
| B. CWA Section 404 Determination of Jurisdiction  There Are No  "waters of the U.S." within CWA jurisdiction in the review area.   |                         |
| ,  |                         |
| 1. Waters of the US:   |                         |
| Linear Feet Width (ft) and/or Acres  |                         |
| Limits of Jurisdiction based on:   |                         |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined no</li></ul>  | t to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drain considered jurisdictional if it possessed a significant nexus with a downstream TNW not possess a significant nexus with the downstream TNW. | •                       |
| SECTION III: CWA ANALYSIS  |                         |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                         |
| 1. Identified TNW:   |                         |
| Rationale for TNW determination:   |                         |
| 2. Dationale for any decimath at any continued agreement and the discount.   |                         |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                         |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                         |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                       |
| Drainage Area (sq mi): 0.00011 River Miles from tributary to TNW:  | 30 (or more)            |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW: Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW:   | 30 (or more)            |
| Average Affidal Showfall (III): 0 Aerial Miles from tributary to TNW.  Aerial Miles from tributary to RPW:   |                         |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                         |

| eature ID: 51                          |  |
|--|--|
| Identify flow route to                 | TNW:   |
|  | vithin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography ely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural                  | Explain:   |
| Average Width (ft):                    | 5.30   |
| Average Depth (ft):                    | 1  |
| Average Side Slopes:                   | 2:1  |
| Primary tributary sub  ✓ Silts □ Sands | strate composition (check all that apply):   Cobbles  Bedrock  Gravel  Vegetation  |
| ☐ Concrete ☐ M                         | luck Other, Explain:   |
| Tributary Condition/S                  | tability. Explain: Stable  |
| Presence of Run/Riffle                 | e/Pool Complexes. Explain: Not Present   |
| Tributary Geometry:                    | Relatively Straight  |
| Tributary Gradient (a)                 | oproximate average slope): 2%  |
|  |  |

| (c) Flow:                  |                      |            |  |             |            |               |  |
|----------------------------|----------------------|------------|--|-------------|------------|---------------|--|
| Tributary Provides for:    | Ephemeral Flow       | Average    | Flow Eve                                     | ents per ye | ear:       | 2-5           |  |
| Describe Flow Regime:      | Ephemeral            | Other Inf  | Other Information on Duration and V          |             |            | Volume:       |  |
| Surface Flow is:           | Confined             | Characte   | Characteristics:                             |             |            |               |  |
| Subsurface Flow:           | No                   | Explain:   |  |             |            |               |  |
| Tributary Has:             |                      |            |  |             |            |               |  |
| ☐ Bed and Banks            |                      |            |  |             |            |               |  |
| ✓ OHWM: OHWM Inc           | dicators:            |            |  |             |            |               |  |
| ☐ Clear, natural line i    | mpressed on the bank | · □ \      | /egetatio                                    | on matted   | down, b    | ent or absent |  |
| ✓ Changes in soil cha      | racter               |            | eaf litte                                    | r disturbe  | d or was   | hed away      |  |
| ☐ Shelving                 |                      | □ P        | resence                                      | of litter a | nd debri   | S             |  |
| ☐ Sediment deposition      | on                   | ✓ [        | Destructi                                    | ion of terr | estrial ve | egetation     |  |
| ✓ Sediment sorting         |                      |            | Abrupt cl                                    | hange in p  | lant con   | nmunity       |  |
| ☐ Scour                    |                      |            | ☐ Multiple observed or predicted flow events |             |            |               |  |
| ☐ Presence of wrack        | line                 | □ <b>\</b> | Vater sta                                    | aining      |            |               |  |
| Other (list):              |                      |            |  |             |            |               |  |
| ☐ Discontinuous? Ex        | xplain:              |            |  |             |            |               |  |
| (iii) Chemical Characteris | tics:                |            |  |             |            |               |  |
| Characterize Tributa       | ry:                  |            |  |             |            |               |  |
| Identify Specific Poll     | •                    |            |  |             |            |               |  |
| , ,                        | •                    |            |  |             |            |               |  |
|                            |                      |            |  |             |            |               |  |
|                            |                      |            |  |             |            |               |  |
|                            |                      |            |  |             |            |               |  |

| Feature ID: 51   |   |
|--|---|
| iv) Biological Characterist  | ics. Channel supports (check all that apply):                           |
| ☐ Riparian Corridor (  | Characteristics:  |
| ☐ Wetland Fringe Cha   | aracteristics:  |
| Habitat for:   |   |
| ☐ Federally Listed Spe   | ecies Explain:  |
| ☐ Fish/Spawn Areas   | Explain:  |
| ☐ Other environment  | ally -sensitive species Explain:  |
| $\square$ Aquatic/Wildlife div   | versity Explain:  |
| 2 Characteristics of watla   | ands adjacent to non TNNA/ that flow divestly or indivestly into TNNA/  |
| (i) Physical Characteristics   | ands adjacent to non-TNW that flow directly or indirectly into TNW<br>: |
| Wetland Size (ac):   | Wetland Type, Explain:  |
| Wetland Quality, Expla   | ain:  |
| Project Wetlands Cros  | ss or Serve as State Boundaries, Explain:                               |
| Wetland Flow is:   | Explain:  |
| Surface Flow is:   | Characteristics:  |
| Subsurface Flow:   | Explain Findings:   |
| ☐ Wetland Directly Ab  | outting Non-TNW   |
| ☐ Wetland Not Direct   | ly Abutting Non-TNW   |
| $\square$ Discrete wetland   | hydrologic connection Explain:  |
| ☐ Ecologcal connec   | ction Explain:  |
| $\square$ Separated by ber   | rm/barrier Explain:   |
| Project Wetlands: Rive   | er Miles from TNW:  |
| Project Wetlands: Aeri   | ial Miles from TNW:   |
| Flow is From:  |   |
| Approximate Location   | of Wetland within Floodplain:   |
| (ii) Chemical Characteristic   | CS:   |
| Characterize Wetland   | System:   |
|  |   |
|  | cics. Wetland supports (check all that apply):                          |
| Riparian Buffer Ex   |   |
|  | ercent cover. Explain:  |
| Habitat for: ☐ Federally Listed S  | Species Evoluin   |
| •  |   |
| Fish/Snawn Arga  | ·   |
| ☐ Fish/Spawn Area  | ANTAUV-CANCITIVA CNACIAC EVNIAIN'                                       |
| ☐ Other environme  |   |
| ☐ Other environme ☐ Aquatic/Wildlife   | Diversity Explain:  |
| ☐ Other environme ☐ Aquatic/Wildlife   |   |
| ☐ Other environme ☐ Aquatic/Wildlife  3. Characteristics of all we                     | Diversity Explain:  |
| Other environme Aquatic/Wildlife  3. Characteristics of all we All wetland(s) consider | Diversity Explain: etlands adjacent to the non-TNW tributary (if any)   |

| . SIGNIFICAN   | T NEXUS DETI   | ERMINATION   |   |   |  |   |
|--|--|--|---|---|--|---|
| 1. Significan into TNW. I  |  | ngs for non-RP   | W that has no   | adjacent wetland  | ds and flows dire  | ectly or indirectly   |
| between Po<br>discharges, i<br>downstream<br>possibility of<br>critical habit<br>does not pro<br>drainage do<br>biological in                        | wers Butte ar<br>in combination<br>manmade in<br>f a hydrologic<br>tats were iden<br>ovide lifecycle<br>es not have m<br>tegrity of the  | nd Gillespie Da<br>n with the geo<br>npoundment (<br>connection be<br>stified within the<br>support funct<br>nore than a spe<br>TNW. Therefo   | m. An analysis omorphology of Tat Momolikot etween this drate he Analysis Arections, nutrients eculative or instructions, this unnaments.           | of peak yearly dis<br>f the Analysis Area<br>Dam), and the di<br>inage and the TN<br>a. Additionally, th<br>, or organic carbo<br>ubstantial effect o | charges and poto<br>a, the presence of<br>stance to the TN<br>W is tenuous. No<br>his unnamed eph<br>in to species with<br>on the physical, of<br>inage does not p | of a significant<br>W, suggests that the<br>o pollutants or<br>emeral drainage<br>nin the TNW. This |
| _  | nt nexus finding<br>into TNW. E  | _  | W and its adja  | cent wetlands, w  | here the non-RP  | W flows directly  |
| 3. Significan Explain:   | nt nexus findii  | ngs for wetlan   | ds adjacent to  | an RPW but that   | do not directly a  | abut the RPW.   |
| 1. TNWs and  | d Adjacent W   |  | . FINDINGS. TH  | E SUBJECT WATE  | K3/ WEILANDS F   | W.L   |
| ☐ TNWs:  | d Adjacent Wood  | etlands Linear Feet TNWs:  | Acres   | Width (ft), Or,   |  | Acres   |
| ☐ TNWs: ☐ Wetland Reserved fo  | d Adjacent Woods adjacent to   | Linear Feet TNWs: 2 (RPWs):  | Acres   | Width (ft), Or,   |  |   |
| ☐ TNWs: ☐ Wetland Reserved fo  3. Non-RPW ☐ Non-TN\ with a Ti  | d Adjacent Woods adjacent to<br>r Section III D<br>Vs that flow d  | etlands Linear Feet TNWs: 2 (RPWs): irectly or indir   | Acres rectly into TNV t flows directly  | Width (ft), Or,  Vs.  or indirectly into  |  | Acres   |
| ☐ TNWs: ☐ Wetland Reserved fo  3. Non-RPW ☐ Non-TNV with a TI Length (   | d Adjacent Work ds adjacent to r Section III D Vs that flow d W/non-RPW v NW, and is the Linear Feet):   | Linear Feet TNWs: 2 (RPWs): irectly or indirectly or indir | Acres rectly into TNV t flows directly cional.  | Width (ft), Or,  Vs.  or indirectly into  | a TNW and has a  | Acres   |
| ☐ TNWs: ☐ Wetland Reserved fo  3. Non-RPW ☐ Non-TN\ with a TI Length (I) Reserved fo   | d Adjacent Work  ds adjacent to r Section III D  /s that flow d  W/non-RPW w  NW, and is the  Linear Feet): or Section III D   | Linear Feet TNWs: 2 (RPWs): irectly or indirectly or indir | Acres  rectly into TNW t flows directly tional. Width (feet): directly abuttir  | Width (ft), Or,  Vs.  or indirectly into  | a TNW and has a  | Acres   |
| ☐ TNWs: ☐ Wetland Reserved fo  3. Non-RPW ☐ Non-TNV with a TI Length (I) Reserved fo   | d Adjacent Woods adjacent to r Section III D  Is that flow d  N/non-RPW w  NW, and is the Linear Feet):  or Section III D  or Section III D  | Linear Feet TNWs: 2 (RPWs): irectly or indirectly of the individual of the individual of the individual of t | Acres  rectly into TNV t flows directly cional.  Width (feet): directly abuttir adjacent to but   | Width (ft), Or,  Vs.  or indirectly into  ag RPWs):   | a TNW and has a<br>cres:<br>ting RPWs):  | Acres   |
| ☐ TNWs: ☐ Wetland Reserved fo  3. Non-RPW ☐ Non-TNN with a TI Length (I) Reserved fo Reserved fo 6. Wetland ☐ Wetland                                | d Adjacent Woods adjacent to r Section III D who section III D who section III D who section III D by Sectio | Linear Feet TNWs: 2 (RPWs): irectly or indirectly or indirectly or indirectly of indir | Acres  rectly into TNW t flows directly cional.  Width (feet): directly abuttin adjacent to but at flow directly ich, in combina                    | Width (ft), Or,  Vs.  or indirectly into  ag RPWs):  a not directly abut  or indirectly into  | a TNW and has a cres: ting RPWs): TNWs.  | Acres   |
| ☐ TNWs: ☐ Wetland Reserved fo  3. Non-RPW ☐ Non-TNV with a TI Length (I) Reserved fo Reserved fo 6. Wetland ☐ Wetland has a sign                     | d Adjacent Work ds adjacent to r Section III D Vs that flow d W/non-RPW v NW, and is the Linear Feet): or Section III D or Section III D or Section III D ds adjacent to d adjacent to gnificant nexu  | Linear Feet TNWs: 2 (RPWs): irectly or indirectly or indirectly or indirectly of indir | Acres  rectly into TNW t flows directly cional.  Width (feet): directly abuttin adjacent to but at flow directly ich, in combina                    | Width (ft), Or,  Vs.  or indirectly into  ag RPWs):  a not directly abut  or indirectly into  | a TNW and has a cres: ting RPWs): TNWs.  | Acres   |
| ☐ TNWs: ☐ Wetland Reserved fo  3. Non-RPW ☐ Non-TNV with a TI Length (I) Reserved fo Reserved fo 6. Wetland has a significant                        | d Adjacent Work  ds adjacent to r Section III D  /s that flow d  W/non-RPW w  NW, and is the Linear Feet): or Section III D  or Section III D  ls adjacent to d adjacent to gnificant nexu ed size of juris  | Linear Feet TNWs: 2 (RPWs): irectly or indirectly or indirectly or indirectly of indir | Acres  rectly into TNV t flows directly cional.  Width (feet): directly abuttir adjacent to but at flow directly ich, in combina V. and (in acres): | Width (ft), Or,  Vs.  or indirectly into  ag RPWs):  a not directly abut  or indirectly into  | a TNW and has a cres: ting RPWs): TNWs.  | Acres   |
| ☐ TNWs: ☐ Wetland Reserved fo  3. Non-RPW ☐ Non-TNN with a TI Length (I) Reserved fo Reserved fo 6. Wetland ☐ Wetland has a sig Estimate  7. Impound | d Adjacent Work  ds adjacent to r Section III D  /s that flow d  W/non-RPW w  NW, and is the Linear Feet): or Section III D  or Section III D  ls adjacent to d adjacent to gnificant nexu ed size of juris  | Linear Feet TNWs: 2 (RPWs): irectly or indirectly of the individual of the individual of the individual of t | Acres  rectly into TNV t flows directly cional.  Width (feet): directly abuttir adjacent to but at flow directly ich, in combina V. and (in acres): | Width (ft), Or,  Vs.  or indirectly into  ag RPWs):  a not directly abut  or indirectly into  | a TNW and has a cres: ting RPWs): TNWs.  | Acres   |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 51   |   |
|--|---|
| As described in Section 30 possess a significant nexu  | C1 above, an analysis of this ephemeral drainage determined that it did not us with the nearest TNW.                                    |
| Explain finding of Other:  |   |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 566.31 linear feet (ft), 5.30 width (ft) acres acres  |
| SECTION IV: DATA SOURCES   |   |
| ✓ Data Sheets Prepared,  ☐ Office Concurs wit  | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. /Submitted on behalf of Applicant h delineation oncur with delineation |
| <ul><li>□ Data Sheets Prepared</li><li>□ Corps Navigable Wate</li><li>□ US Geological Survey</li><li>□ USGS NHD Data</li><li>□ USGS 8 and 12 dig</li></ul> | er Study<br>Hydrologic Atlas  |
|  | Map(s) Scale and Quad Name: tains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                 |
| <ul> <li>□ USDA Nat'l Res Conse</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland Inv</li> <li>□ FEMA/FIR Maps</li> </ul>                    |   |
| ☐ 100-year Floodplain E  | levation is: (National Geodetic Vertical Datum of 1929)   |
|  | (Name and Date): BING, Microsoft Virtual Earth 2008   |
| Other Photographs (  | (Name and Date): Ground Photos; May 2012  |
|  | ons File No. and Date of Response Letter:   |
| ☐ Applicable/Supporting  |   |
| ☐ Applicable/Supporting Other Information, Plant   |   |

| SECTION I: BACKGROUND INFORMATION  |                         |
|--|-------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                         |
| B. District Office and File No: Los Angeles District, File No. Pending   |                         |
| C. Project Location and Background Information: Drainage Feature 52  |                         |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties,  | Arizona                 |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                         |
| Name of nearest waterbody: Unnamed Wash 52   |                         |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam  |                         |
| HUC Code: 15050306   |                         |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                         |
| D. Review Performed for Site Evaluation:   |                         |
| Office Determination. Date:  |                         |
| Field Determination. Date: 05/2012   |                         |
|  |                         |
| SECTION II: SUMMARY OF FINDINGS  |                         |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.   |                         |
|  |                         |
| B. CWA Section 404 Determination of Jurisdiction  There Are No  "waters of the U.S." within CWA jurisdiction in the review area.   |                         |
|  |                         |
| 1. Waters of the US:   |                         |
| Linear Feet Width (ft) and/or Acres  |                         |
| Limits of Jurisdiction based on:   |                         |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined no</li></ul>  | t to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drain considered jurisdictional if it possessed a significant nexus with a downstream TNW not possess a significant nexus with the downstream TNW. | •                       |
| SECTION III: CWA ANALYSIS  |                         |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                         |
| 1. Identified TNW:   |                         |
| Rationale for TNW determination:   |                         |
| 2. Dationale for any division that any continued are account on the discount.  |                         |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                         |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                         |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                       |
| Drainage Area (sq mi): 0.00019 River Miles from tributary to TNW:  | 30 (or more)            |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:   | 20 (0 = = = = )         |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW: Aerial Miles from tributary to RPW:  |                         |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                         |

| Identify flow route to<br>Unnamed drainages<br>suggests the most lik        | within the Analy   |                               | •                  | •            | osa Wash. Topography<br>Iz Wash to the Gila |
|---|--|-------------------------------|--------------------|--------------|---|
| River.  | , ,  |                               |                    |              |   |
| Tributary is: Natural   | Explain:   |                               |                    |              |   |
| Average Width (ft):   | 7.97   |                               |                    |              |   |
| Average Depth (ft):   | 1  |                               |                    |              |   |
| Average Side Slopes:  | 2.1  |                               |                    |              |   |
|   |  | on (check all                 | that apply):       |              |   |
| Primary tributary sub  ✓ Silts ☐ Sands                                      | ostrate composit   | on (check all                 |                    | ☐ Vegetation |   |
| Primary tributary sub  ✓ Silts ☐ Sands                                      | ostrate composit   | •                             |                    | ☐ Vegetation |   |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                       | ostrate composit  Cobbles  Muck Other,                                       | ☐ Bedro                       |                    | ☐ Vegetation |   |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Fributary Condition/ | ostrate composit  Cobbles  Muck Other,  Stability. Explain                   | ☐ Bedroe                      |                    | ☐ Vegetation |   |
| Primary tributary sub  ☑ Silts ☐ Sands                                      | ostrate composit  Cobbles  Muck Other,  Stability. Explain:  le/Pool Complex | Explain:  Stable es. Explain: | ck <b>☑</b> Gravel | ☐ Vegetation |   |

| (c) Flow:                  |                      |  |            |              |            |               |  |
|----------------------------|----------------------|--|------------|--------------|------------|---------------|--|
| Tributary Provides for:    | Ephemeral Flow       | Average Flow Events per year:                        |            |              | 2-5        |               |  |
| Describe Flow Regime:      | Ephemeral            | Other Information on Duration and Volume:            |            |              | Volume:    |               |  |
| Surface Flow is:           | Confined             | Characteristics:                                     |            |              |            |               |  |
| Subsurface Flow:           | No                   | Explain:   |            |              |            |               |  |
| Tributary Has:             |                      |  |            |              |            |               |  |
| ☐ Bed and Banks            |                      |  |            |              |            |               |  |
| ✓ OHWM: OHWM Inc           | dicators:            |  |            |              |            |               |  |
| ☐ Clear, natural line i    | mpressed on the bank | :  | /egetati   | on matted    | down, b    | ent or absent |  |
| ✓ Changes in soil cha      | racter               | □ L  | eaf litte. | r disturbed  | l or wasl  | ned away      |  |
| ☐ Shelving                 |                      | □ F  | resence    | of litter a  | nd debri   | S             |  |
| ☐ Sediment deposition      | on                   | ✓ [  | Destruct   | ion of terre | estrial ve | getation      |  |
| ✓ Sediment sorting         |                      | $\square$ Abrupt change in plant community           |            |              |            |               |  |
| ☐ Scour                    |                      | $\square$ Multiple observed or predicted flow events |            |              |            |               |  |
| ☐ Presence of wrack        | line                 | _ \  | Vater st   | aining       |            |               |  |
| Other (list):              |                      |  |            |              |            |               |  |
| ☐ Discontinuous? Ex        | xplain:              |  |            |              |            |               |  |
| (iii) Chemical Characteris | tics:                |  |            |              |            |               |  |
| Characterize Tributa       | ry:                  |  |            |              |            |               |  |
| Identify Specific Poll     |                      |  |            |              |            |               |  |
|                            |                      |  |            |              |            |               |  |
|                            |                      |  |            |              |            |               |  |
|                            |                      |  |            |              |            |               |  |
|                            |                      |  |            |              |            |               |  |

| Feature ID: 52  |  |
|---|--|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                   |  |
| Riparian Corridor Characteristics:  |  |
| ☐ Wetland Fringe Characteristics:   |  |
| Habitat for:  |  |
| ☐ Federally Listed Species Explain:   |  |
| ☐ Fish/Spawn Areas Explain:   |  |
| ☐ Other environmentally -sensitive species Explain:   |  |
| ☐ Aquatic/Wildlife diversity Explain:   |  |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                |  |
| (i) Physical Characteristics:   |  |
| Wetland Size (ac): Wetland Type, Explain:   |  |
| Wetland Quality, Explain:   |  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |  |
| Wetland Flow is: Explain:   |  |
| Surface Flow is: Characteristics:   |  |
| Subsurface Flow: Explain Findings:  |  |
| ☐ Wetland Directly Abutting Non-TNW   |  |
| ☐ Wetland Not Directly Abutting Non-TNW   |  |
| ☐ Discrete wetland hydrologic connection Explain:   |  |
| ☐ Ecologcal connection Explain:   |  |
| ☐ Separated by berm/barrier Explain:  |  |
| Project Wetlands: River Miles from TNW:   |  |
| Project Wetlands: Aerial Miles from TNW:  |  |
| Flow is From:   |  |
| Approximate Location of Wetland within Floodplain:  |  |
| (ii) Chemical Characteristics:  |  |
| Characterize Wetland System:  |  |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                  |  |
|   |  |
| ☐ Riparian Buffer Explain: ☐ Vegetation type/percent cover. Explain:  |  |
| Habitat for:  |  |
| Federally Listed Species Explain:   |  |
| ☐ Fish/Spawn Areas Explain:   |  |
| ☐ Other environmentally-sensitive species Explain:  |  |
| Aquatic/Wildlife Diversity Explain:   |  |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                               |  |
|   |  |
| All wetland(s) considered in cumulative analysis:   |  |
| Wetland acres in total being considered in cumulative analysis:   | ······································ |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical f | unctions):                             |
|   |  |
|   |  |

| . SIGNIFICANT NEXUS DETERMINATION   |  |   |  |
|---|--|---|--|
| 1. Significant nexus findings for non-RPW t into TNW. Explain:  | hat has no adjacen   | t wetlands and  | flows directly or indirectly   |
| This unnamed ephemeral drainage is locate between Powers Butte and Gillespie Dam. A discharges, in combination with the geomor downstream manmade impoundment (Tat possibility of a hydrologic connection betwee critical habitats were identified within the A does not provide lifecycle support functions drainage does not have more than a specula biological integrity of the TNW. Therefore, the nexus with the TNW reach of the Gila River  | An analysis of peak rphology of the Ana Momolikot Dam), a sen this drainage and analysis Area. Addit a, nutrients, or organitive or insubstantichis unnamed ephe   | yearly discharge<br>alysis Area, the p<br>and the distance<br>and the TNW is to<br>ionally, this unn<br>anic carbon to sp<br>al effect on the<br>meral drainage | es and potential flood presence of a significant to the TNW, suggests that enuous. No pollutants or named ephemeral drainage pecies within the TNW. This physical, chemical, and/or does not possess a significa |
| 2. Significant nexus findings for non-RPW a or indirectly into TNW. Explain:  | and its adjacent we  | tlands, where t   | he non-RPW flows directly  |
| 3. Significant nexus findings for wetlands a<br>Explain:  | djacent to an RPW  | but that do no  | t directly abut the RPW.   |
|   |  |   |  |
| . DETERMINATIONS OF JURISDICTIONAL FIN  | DINGS. THE SUBJE   | CT WATERS/WI  | ETLANDS ARE  |
| 1. TNWs and Adjacent Wetlands   |  |   |  |
| ☐ TNWs: Linear Feet   | Widt   | h (ft), Or,   | Acres  |
|   |  |   |  |
| Wetlands adjacent to TNWs:  | Acres  |   |  |
| ■ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  | Acres  |   |  |
| Reserved for Section III D 2 (RPWs):  |  |   |  |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectl  Non-TNW/non-RPW waterbody that flow  | l <b>y into TNWs.</b><br>ws directly or indire   | ectly into a TNW  | / and has a signficant nexus   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly or | l <b>y into TNWs.</b><br>ws directly or indire   | ectly into a TNW<br>Acres:  | / and has a signficant nexus   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly or | y into TNWs. ws directly or indire al. idth (feet):  | Acres:  | / and has a signficant nexus   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly or | y into TNWs. ws directly or indirectly al. idth (feet): ctly abutting RPWs   | Acres:  |  |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly or | y into TNWs. ws directly or indirectly or indirectly or indirectly. idth (feet): ctly abutting RPWs cent to but not directly   | Acres: ): ectly abutting R  | PWs):  |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly or | ly into TNWs.  ws directly or indirectly or indirectly or indirectly or indirectly abutting RPWs cent to but not directly or indirectly or ind | Acres: ): ectly abutting Rivectly into TNW  | PWs):  |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly or | ly into TNWs.  ws directly or indirectly or indirectly or indirectly abutting RPWs cent to but not directly or indirectly or ind | Acres: ): ectly abutting Rivectly into TNW  | PWs):  |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly in the III D 2 (RPWs):  Non-TNW/non-RPW waterbody that flow with a TNW, and is therfore jurisdictional Length (Linear Feet):  With Reserved for Section III D 4 (Wetlands directly Reserved for Section III D 5 (Wetlands adjacent to non-RPWs that flow Wetlands adjacent to non-RPWs which, has a significant nexus with the TNW.  | y into TNWs.  ws directly or indirectly or indirectly or indirectly abutting RPWs cent to but not directly or indirectly or indi | Acres: ): ectly abutting Rivectly into TNW  | PWs):  |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly or | y into TNWs.  ws directly or indirectly or indirectly or indirectly abutting RPWs cent to but not directly or indirectly or indi | Acres: ): ectly abutting Rivectly into TNW  | PWs):  |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly or | y into TNWs.  ws directly or indirectly or indirectly or indirectly abutting RPWs cent to but not directly or indirectly or indi | Acres: ): ectly abutting Rirectly into TNW h the tributary a  | PWs):<br>' <b>s.</b><br>and other adjacent wetland   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly or | y into TNWs.  ws directly or indirectly.  idth (feet):  ctly abutting RPWs  cent to but not directly or indirectly or indirectly or indirectly.  (in acres):   | Acres: ): ectly abutting Rirectly into TNW h the tributary a  | PWs):<br>' <b>s.</b><br>and other adjacent wetland   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly or | y into TNWs.  ws directly or indirectly.  idth (feet):  ctly abutting RPWs  cent to but not directly or indirectly or indirectly or indirectly.  (in acres):   | Acres: ): ectly abutting Rirectly into TNW h the tributary a  | PWs):<br>' <b>s.</b><br>and other adjacent wetland   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectl  Non-TNW/non-RPW waterbody that flow with a TNW, and is therfore jurisdictional Length (Linear Feet):  Reserved for Section III D 4 (Wetlands directly Reserved for Section III D 5 (Wetlands adjacent to non-RPWs that flow Wetlands adjacent to non-RPWs which, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  | y into TNWs.  ws directly or indirectly.  idth (feet):  ctly abutting RPWs  cent to but not directly or indirectly or indirectly or indirectly.  (in acres):   | Acres: ): ectly abutting Rirectly into TNW h the tributary a  | PWs):<br>' <b>s.</b><br>and other adjacent wetland   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 52   |   |                                 |            |                                  |  |
|--|---|---------------------------------|------------|----------------------------------|--|
| As described in Section 3C possess a significant nexus   | •   | •                               | eral drain | age determined that it did not   |  |
| Explain finding of Other:  |   |                                 |            |                                  |  |
| <ul><li>Non-wetland waters</li><li>Other waters</li><li>Wetlands</li></ul>   | ac  | near feet (ft),<br>cres<br>cres | 7.97       | width (ft)                       |  |
| SECTION IV: DATA SOURCES   |   |                                 |            |                                  |  |
| ✓ Maps, Plans, Plots or P ✓ Data Sheets Prepared/ ☐ Office Concurs with ☐ Office Does Not Col ☐ Data Sheets Prepared I ☐ Corps Navigable Water ☐ US Geological Survey H ☐ USGS NHD Data ☐ USGS 8 and 12 digi | Submitted on beha<br>delineation<br>ncur with delineation<br>by the Corps<br>Study<br>ydrologic Atlas | lf of Applicant                 | Itant: V   | VestLand Resources, Inc.         |  |
| ✓ US Geological Survey N<br>Silver Reef Mounta   | •   |                                 | osa Mou    | ntains NW 7.5-Minute Quadrangles |  |
| ☐ USDA Nat'l Res Conser  | ation Service Soil S  | Survey Citation                 | n:         |                                  |  |
| <ul><li>□ National Wetlands Inve</li><li>□ State/Local Wetland In</li><li>□ FEMA/FIR Maps</li></ul>  |   | e Map Name:                     |            |                                  |  |
| ☐ 100-year Floodplain Ele  | evation is:   |                                 | (Nationa   | Geodetic Vertical Datum of 1929) |  |
| ✓ Aerial Photographs (1  |   |                                 | •          | •                                |  |
| ✓ Other Photographs ()   | lame and Date):   | Ground Photos; N                | May 2012   | 2                                |  |
| Previous Determinatio  |   |                                 | Letter:    |                                  |  |
| Applicable/Supporting  |   |                                 |            |                                  |  |
| ☐ Applicable/Supporting  |   | e Citation:                     |            |                                  |  |
| Other Information, Ple   | ase Specify:  |                                 |            |                                  |  |

| A. Report Completion Date for Approved Jurisdictional Determin  | nation: 07/30/2012   |
|---|--|
| B. District Office and File No: Los Angeles District, File No. Pend   | ding   |
| C. Project Location and Background Information: Drainage Fea  | ature 53   |
| City, County, State Sif Oidak District, Tohono O'odham Natio  | n, Pima and Pinal Counties, Arizona                                  |
| Center coordinates of site: Lat. 32.5073 Long1  | .11.9100   |
| Name of nearest waterbody: Unnamed Wash 53  |  |
| Name of nearest downstream TNW: Gila River between Power  | rs Butte and Gillespie Dam   |
| HUC Code: 15050306  |  |
| ✓ Map/Diagram of potential jurisdictional area is available on r  | request  |
| D. Review Performed for Site Evaluation:  |  |
| Office Determination. Date:   |  |
| Field Determination. Date: 05/2012  |  |
| SECTION III. SUMMARY OF FINDINGS  |  |
| SECTION II: SUMMARY OF FINDINGS  A RUA Section 10 Determination of Invitation                                       |  |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisd      | diction in the review area   |
|   |  |
| B. CWA Section 404 Determination of Jurisdiction  There Are No  "waters of the U.S." within CWA jurisdiction        | on in the review area  |
| 1. Waters of the US:  | on in the review area.   |
| Linear Feet Width (ft) and  | I/or Acres   |
| Limits of Jurisdiction based on:  | Acres  |
|   |  |
| 2. Non-Regulated Waters/Wetlands:   |  |
| ✓ Potentially jurisdictional waters and/or wetlands were as   |  |
| Drainage is ephemeral and does not qualify as a TNW or considered jurisdictional if it possessed a significant next | •  |
| not possess a significant nexus with the downstream TN  |  |
| SECTION III: CWA ANALYSIS   |  |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |  |
| 1. Identified TNW:  |  |
| Rationale for TNW determination:  |  |
|   |  |
| 2. Rationale for conclusion that any wetlands present are "a  | adjacent":   |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACE  | ENT WETLANDS   |
| TNW Watershed Size (sq mi): 49650 Tributari   | ies flow to TNW:   |
|   | les from tributary to TNW: 30 (or more)                              |
|   | les from tributary to RPW:   |
|   |  |
| <del>-</del>  | iles from tributary to TNW: 30 (or more) iles from tributary to RPW: |

| Identify flow route to   |  |                       |                                    |                |              |             |                 |
|--|--|-----------------------|------------------------------------|----------------|--------------|-------------|-----------------|
| Unnamed drainages  |  | -                     |                                    | •              | •            |             |                 |
| suggests the most lik<br>River.  | ely rou  | te of poter           | itiai flow is                      | Santa Rosa Wa  | sn to the Sa | nta Cruz Wa | ash to the Gila |
|  |  |                       |                                    |                |              |             |                 |
| Tributary is: Natural  |  | Explain:              |                                    |                |              |             |                 |
| Average Width (ft):  | 5.51   |                       |                                    |                |              |             |                 |
| Average Depth (ft):  | 1  |                       |                                    |                |              |             |                 |
|  |  |                       |                                    |                |              |             |                 |
| Average Side Slopes:   | 2:1  |                       |                                    |                |              |             |                 |
|  |  | oom nositis           | an I ah a ak a                     | Lthat apply).  |              |             |                 |
|  |  | compositio            | on (check al                       | l that apply): |              |             |                 |
| Average Side Slopes:<br>Primary tributary sub<br>☑ Silts ☐ Sands             | strate   | compositic<br>Cobbles | on (check al                       |                | I □ Veg      | etation     |                 |
| Primary tributary sub  ✓ Silts □ Sands                                       | ostrate (  | Cobbles               | ☐ Bedro                            |                | I □ Veg      | etation     |                 |
| Primary tributary sub  ✓ Silts □ Sands                                       | strate   | ·                     | ☐ Bedro                            |                | I □ Veg      | etation     |                 |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                        | ostrate o  | Cobbles<br>Other, I   | ☐ Bedro                            |                | I □ Veg      | etation     |                 |
| Primary tributary sub  ☑ Silts ☐ Sands                                       | ostrate of the state of the sta | Cobbles Other, E      | ☐ Bedro Explain:  Stable           |                | I □ Veg      | etation     |                 |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N  Fributary Condition/S | ostrate of the state of the sta | Cobbles Other, E      | Bedro Explain:  Stable s. Explain: | ock 🗹 Grave    | I □ Veg      | etation     |                 |

| (c) Flow:                  |                       |           |                |                |                    |  |
|----------------------------|-----------------------|-----------|----------------|----------------|--------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average   | Flow Events    | per year:      | 2-5                |  |
| Describe Flow Regime:      | Ephemeral             | Other Inf | ormation or    | Duration ar    | nd Volume:         |  |
| Surface Flow is:           | Confined              | Characte  | ristics:       |                |                    |  |
| Subsurface Flow:           | No                    | Explain:  |                |                |                    |  |
| Tributary Has:             |                       |           |                |                |                    |  |
|                            |                       |           |                |                |                    |  |
| ✓ OHWM: OHWM Inc           | dicators:             |           |                |                |                    |  |
|                            | impressed on the bank | □ V       | egetation m    | atted down,    | bent or absent     |  |
| Changes in soil changes    | •                     |           | · ·            | turbed or wa   |                    |  |
| ☐ Shelving                 |                       | □ P       | resence of I   | itter and deb  | oris               |  |
| ☐ Sediment depositi        | on                    |           | estruction o   | of terrestrial | vegetation         |  |
| Sediment sorting           |                       |           | brupt chang    | ge in plant co | mmunity            |  |
| ☐ Scour                    |                       |           | /lultiple obse | erved or pred  | dicted flow events |  |
| ☐ Presence of wrack        | line                  | □ V       | Vater stainir  | ıg             |                    |  |
| Other (list):              |                       |           |                |                |                    |  |
| ☐ Discontinuous? Ex        | kplain:               |           |                |                |                    |  |
| (iii) Chemical Characteris | tics:                 |           |                |                |                    |  |
| •                          |                       |           |                |                |                    |  |
| Characterize Tributa       |                       |           |                |                |                    |  |
| Identify Specific Poll     | utants, if known:     |           |                |                |                    |  |
|                            |                       |           |                |                |                    |  |
|                            |                       |           |                |                |                    |  |
|                            |                       |           |                |                |                    |  |
|                            |                       |           |                |                |                    |  |

| Feature ID: 53   |         |
|--|---------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                      |         |
| Riparian Corridor Characteristics:   |         |
| ☐ Wetland Fringe Characteristics:  |         |
| Habitat for:   |         |
| ☐ Federally Listed Species Explain:  |         |
| ☐ Fish/Spawn Areas Explain:  |         |
| ☐ Other environmentally -sensitive species   |         |
| ☐ Aquatic/Wildlife diversity Explain:  |         |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                   |         |
| (i) Physical Characteristics:  |         |
| Wetland Size (ac): Wetland Type, Explain:  |         |
| Wetland Quality, Explain:  |         |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |         |
| Wetland Flow is: Explain:  |         |
| Surface Flow is: Characteristics:  |         |
| Subsurface Flow: Explain Findings:   |         |
| ☐ Wetland Directly Abutting Non-TNW  |         |
| ☐ Wetland Not Directly Abutting Non-TNW  |         |
| ☐ Discrete wetland hydrologic connection Explain:  |         |
| ☐ Ecologcal connection Explain:  |         |
| ☐ Separated by berm/barrier Explain:   |         |
| Project Wetlands: River Miles from TNW:  |         |
| Project Wetlands: Aerial Miles from TNW:   |         |
| Flow is From:  |         |
| Approximate Location of Wetland within Floodplain:   |         |
| (ii) Chemical Characteristics:   |         |
| Characterize Wetland System:   |         |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                     |         |
| ☐ Riparian Buffer Explain:   |         |
| ☐ Vegetation type/percent cover. Explain:  |         |
| Habitat for:   |         |
| ☐ Federally Listed Species Explain:  |         |
| ☐ Fish/Spawn Areas Explain:  |         |
| Other environmentally-sensitive species Explain:   |         |
| ☐ Aquatic/Wildlife Diversity Explain:  |         |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                  |         |
| All wetland(s) considered in cumulative analysis:  |         |
| Wetland acres in total being considered in cumulative analysis:  |         |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fund | tions): |
|  |         |
|  |         |
|  |         |

| ••• | SIGNIFICANT NEXUS DETERMINATION  |
|-----|--|
|     | <ul> <li>Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly<br/>nto TNW. Explain:</li> </ul>  |
|     | This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River petween Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or piological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. |
|     | 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:   |
|     | 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  |
| ).  | DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
|     | L. TNWs and Adjacent Wetlands  |
|     | ☐ TNWs: Linear Feet Width (ft), Or, Acres  |
|     | ■ Wetlands adjacent to TNWs: Acres   |
|     | Reserved for Section III D 2 (RPWs):   |
|     | 3. Non-RPWs that flow directly or indirectly into TNWs.  |
|     | □ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus  |
|     | with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  |
|     | Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |
|     | Reserved for Section III D 4 (Wetlands adjacent to but not directly abutting RPWs):  |
|     | 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   |
|     | ■ Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |
|     | has a significant nexus with the TNW.  |
|     | Estimated size of jurisdictional wetland (in acres):   |
|     | 7. Impoundments of jurisdictional waters.  |
|     | Demonstration of Jurisdiction:   |
|     |  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 53   |  |
|--|--|
| As described in Section 30 possess a significant nexu  | C1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW.  |
| Explain finding of Other:  |  |
| <ul><li>Non-wetland waters</li><li>Other waters</li><li>Wetlands</li></ul>   | 393.75 linear feet (ft), 5.51 width (ft) acres acres   |
| SECTION IV: DATA SOURCES   |  |
| <ul><li>✓ Maps, Plans, Plots or F</li><li>✓ Data Sheets Prepared,</li><li>☐ Office Concurs with</li></ul>  | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  /Submitted on behalf of Applicant in delineation  oncur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas  |
|  | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                     |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul>                            |  |
| ☐ 100-year Floodplain El   | evation is: (National Geodetic Vertical Datum of 1929)   |
|  | Name and Date): BING, Microsoft Virtual Earth 2008   |
|  | Name and Date): Ground Photos; May 2012  |
| <ul><li>☐ Applicable/Supporting</li><li>☐ Applicable/Supporting</li></ul>  | Scientific Literature Citation:  |
| Other Information, Ple   | ease Specify:  |

| SECTION I: BACKGROUND INFORMATION  |                         |
|--|-------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                         |
| B. District Office and File No: Los Angeles District, File No. Pending   |                         |
| C. Project Location and Background Information: Drainage Feature 54  |                         |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties,  | Arizona                 |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                         |
| Name of nearest waterbody: Unnamed Wash 54   |                         |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam  |                         |
| HUC Code: 15050306   |                         |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                         |
| D. Review Performed for Site Evaluation:   |                         |
| Office Determination. Date:  |                         |
| Field Determination. Date: 05/2012   |                         |
|  |                         |
| SECTION II: SUMMARY OF FINDINGS  |                         |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.         |                         |
|  |                         |
| B. CWA Section 404 Determination of Jurisdiction  There Are No  "waters of the U.S." within CWA jurisdiction in the review area.                 |                         |
| 1. Waters of the US:   |                         |
| Linear Feet Width (ft) and/or Acres  |                         |
| Limits of Jurisdiction based on:   |                         |
|  |                         |
| <ol> <li>Non-Regulated Waters/Wetlands:</li> <li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined not</li> </ol> | t to be jurisdictional: |
| Drainage is a small, relic wash with no hydrologic function, generally not considered under the 2008 Guidance.                                   | d jurisdictional        |
| SECTION III: CWA ANALYSIS  |                         |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                         |
| 1. Identified TNW:   |                         |
| Rationale for TNW determination:   |                         |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                         |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                         |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                       |
| Drainage Area (sq mi): 0.00010 River Miles from tributary to TNW:  | 30 (or more)            |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:   | 20 (0 11 12 0 12 0 1    |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW: Aerial Miles from tributary to RPW:  |                         |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                         |

| ature ID: 54   |   |  |
|--|---|--|
| Identify flow route to T                                 | NW:   |  |
|  | opography suggests the mo                                       | ow. Analysis Area is ultimately within the watershed of ost likely route of potential flow is Santa Rosa Wash to |
| Tributary is: Natural                                    | Explain:  |  |
| Average Width (ft): 1                                    | 4.87  |  |
| Average Depth (ft): 1                                    |   |  |
| Average Side Slopes: 2                                   | ::1   |  |
| Primary tributary subst  ✓ Silts ☐ Sands ☐ Concrete ☐ Mu | rate composition (check all  Cobbles  Bedro  ck Other, Explain: |  |
| Tributary Condition/Sta                                  | ability. Explain: Stable  |  |
| Presence of Run/Riffle/                                  | Pool Complexes. Explain:  | Not Present  |
|  | Relatively Straight   |  |
| Tributary Geometry:                                      |   |  |

| Tributary Provides for:         | Ephemeral Flow       | Average                                   | Flow Eve   | ents per y  | ear:     | 2-5                |
|---------------------------------|----------------------|---|------------|-------------|----------|--------------------|
| Describe Flow Regime:           | Ephemeral            | Other Information on Duration and Volume: |            |             |          |                    |
| Surface Flow is:                | Confined             | Characte                                  | ristics:   |             |          |                    |
| Subsurface Flow:                | No                   | Explain:                                  |            |             |          |                    |
| Tributary Has:                  |                      |   |            |             |          |                    |
| ☐ Bed and Banks                 |                      |   |            |             |          |                    |
| ✓ OHWM: OHWM Ind                | icators:             |   |            |             |          |                    |
| $\square$ Clear, natural line i | mpressed on the bank | $\square$ $\vee$                          | /egetatio  | on matted   | down,    | bent or absent     |
| Changes in soil cha             | racter               |   | eaf litte. | r disturbe  | d or wa  | shed away          |
| $\square$ Shelving              |                      | □ P                                       | resence    | of litter a | and deb  | ris                |
| $\square$ Sediment deposition   | on                   | ✓ [                                       | Destructi  | ion of terr | estrial  | vegetation         |
| Sediment sorting                |                      |   | Abrupt c   | hange in p  | olant co | mmunity            |
| $\square$ Scour                 |                      |   | Multiple   | observed    | or pred  | licted flow events |
| ☐ Presence of wrack             | line                 | □ <b>\</b>                                | Vater st   | aining      |          |                    |
| Other (list):                   |                      |   |            |             |          |                    |
| ☐ Discontinuous? Ex             | plain:               |   |            |             |          |                    |
| (iii) Chemical Characteris      | tics:                |   |            |             |          |                    |
| Characterize Tributar           | y:                   |   |            |             |          |                    |
| Identify Specific Pollu         | itants, if known:    |   |            |             |          |                    |

| (iv) Biological Characteristics. Channel supports (check all that apply):  Riparian Corridor Characteristics:  Wetland Fringe Characteristics:  Habitat for: |           |
|--|-----------|
| ☐ Wetland Fringe Characteristics:  |           |
| <u> </u>   |           |
| Habitat for:   |           |
| Havitat IVI.   |           |
| ☐ Federally Listed Species Explain:  |           |
| ☐ Fish/Spawn Areas Explain:  |           |
| ☐ Other environmentally -sensitive species Explain:  |           |
| ☐ Aquatic/Wildlife diversity Explain:  |           |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW   |           |
| i) Physical Characteristics:   |           |
| Wetland Size (ac): Wetland Type, Explain:  |           |
| Wetland Quality, Explain:  |           |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |           |
| Wetland Flow is: Explain:  |           |
| Surface Flow is: Characteristics:  |           |
| Subsurface Flow: Explain Findings:   |           |
| ☐ Wetland Directly Abutting Non-TNW  |           |
| ☐ Wetland Not Directly Abutting Non-TNW  |           |
| ☐ Discrete wetland hydrologic connection Explain:  |           |
| ☐ Ecological connection Explain:   |           |
| ☐ Separated by berm/barrier Explain:   |           |
| Project Wetlands: River Miles from TNW:  |           |
| Project Wetlands: Aerial Miles from TNW:   |           |
| Flow is From:  |           |
| Approximate Location of Wetland within Floodplain:   |           |
| i) Chemical Characteristics:   |           |
| Characterize Wetland System:   |           |
|  |           |
| ii) Biological Characteristics. Wetland supports (check all that apply):   |           |
| Riparian Buffer Explain:   |           |
| ☐ Vegetation type/percent cover. Explain:  |           |
| Habitat for:   |           |
| Federally Listed Species Explain:  |           |
| ☐ Fish/Spawn Areas Explain:  |           |
| Other environmentally-sensitive species Explain:   |           |
| ☐ Aquatic/Wildlife Diversity Explain:  |           |
| . Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |           |
| All wetland(s) considered in cumulative analysis:  |           |
| Wetland acres in total being considered in cumulative analysis:  |           |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fun  | ictions): |

| SIGNIFICANT NEXUS DETEI   | RMINATION   |
|---|---|
| 1. Significant nexus finding into TNW. Explain:                       | gs for non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| 2. Significant nexus finding or indirectly into TNW. Ex               | gs for non-RPW and its adjacent wetlands, where the non-RPW flows directly plain:   |
| 3. Significant nexus finding Explain:                                 | gs for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| DETERMINATIONS OF ILIR  | SISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| 1. TNWs and Adjacent We   | ·   |
| _   | Linear Feet Width (ft), Or, Acres   |
| Wetlands adjacent to  |   |
| Reserved for Section III D 2  |   |
|   | rectly or indirectly into TNWs.   |
|   | aterbody that flows directly or indirectly into a TNW and has a signficant nexus  |
| Length (Linear Feet):   | Width (feet): Acres:  |
| Reserved for Section III D  | 4 (Wetlands directly abutting RPWs):  |
| Reserved for Section III D  | 5 (Wetlands adjacent to but not directly abutting RPWs):  |
| 6. Wetlands adjacent to r   | non-RPWs that flow directly or indirectly into TNWs.  |
| ☐ Wetland adjacent to ne has a significant nexus                      | on-RPWs which, in combination with the tributary and other adjacent wetlands, with the TNW.   |
| Estimated size of juriso  | dictional wetland (in acres):   |
| 7. Impoundments of juris  | dictional waters.   |
| Demonstration of Juris  | sdiction:   |
| ISOLATED WATERS, INCLU /HICH COULD AFFECT INTER Supporting rationale: | IDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF RSTATE COMMERCE   |
| Length (linear feet):   | Acres:  |
| NON-JURISDICTIONAL WA   | ATERS, INCLUDING WETLANDS:  |
| Other   |   |
| Explain finding of no Signi   | ficant Nexus:   |
| Explain finding of Other:   |   |
|   | wash with no hydrologic function, generally not considered jurisdictional under the   |
| 2008 Guidance. Downgra  | dient stormwater flows from this feature would enter other ephemeral drainages rmined to have no significant nexus with the downgradient TNW. |
| 2008 Guidance. Downgra  | ·   |
| 2008 Guidance. Downgrain the Analysis Area deter                      | rmined to have no significant nexus with the downgradient TNW.  |

| Feature ID: |
|-------------|
|-------------|

| CECTIO   | IN IV. DATA COURCE  |
|----------|---|
|          | N IV: DATA SOURCES  |
|          | Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  Data Sheets Prepared/Submitted on behalf of Applicant |
| V        | Office Concurs with delineation   |
|          | Office Does Not Concur with delineation  Office Does Not Concur with delineation  |
|          |   |
|          | Data Sheets Prepared by the Corps   |
| _        | Corps Navigable Water Study   |
|          | US Geological Survey Hydrologic Atlas  ☐ USGS NHD Data  |
|          |   |
|          | ☐ USGS 8 and 12 digit HUC Map   |
| <b>✓</b> | US Geological Survey Map(s) Scale and Quad Name:  |
|          | Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles   |
|          | USDA Nat'l Res Conservation Service Soil Survey Citation:   |
| _        | National Wetlands Inventory Maps Cite Map Name:   |
| _        | State/Local Wetland Inventory Maps  |
|          | FEMA/FIR Maps   |
|          | 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)  |
| <b>✓</b> | Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008  |
| <b>✓</b> | Other Photographs (Name and Date): Ground Photos; May 2012  |
|          | Previous Determinations File No. and Date of Response Letter:   |
|          | Applicable/Supporting Case Law Citation:  |
|          | Applicable/Supporting Scientific Literature Citation:   |
|          | Other Information, Please Specify:  |
| Ad       | ditional Comments to Support JD:  |
|          |   |
|          |   |
|          |   |
|          |   |
|          |   |

| SECTION I: BACKGROUND INFORM  | IATION                                     |   |                    |                      |
|---|--|---|--------------------|----------------------|
| A. Report Completion Date for App   | roved Jurisdictional D                     | etermination: 0   | 7/30/2012          |                      |
| B. District Office and File No: Los A   | Angeles District, File N                   | Io. Pending   |                    |                      |
| C. Project Location and Background  | I Information: <b>Drai</b> r               | nage Feature 55   |                    |                      |
| City, County, State Sif Oidak Dis   | trict, Tohono O'odhai                      | m Nation, Pima and  | l Pinal Counties,  | Arizona              |
| Center coordinates of site: Lat. 3  | 2.5073 L                                   | ong111.9100   |                    |                      |
| Name of nearest waterbody: Unn  | named Wash 55                              |   |                    |                      |
| Name of nearest downstream TNV  | V: Gila River betwee                       | n Powers Butte and  | d Gillespie Dam    |                      |
| HUC Code: 15050306  |  |   |                    |                      |
| ✓ Map/Diagram of potential jurisc   | dictional area is availa                   | ble on request  |                    |                      |
| D. Review Performed for Site Evalua   | ation:                                     |   |                    |                      |
| Office Determination. Date:   |  |   |                    |                      |
| Field Determination. Date: 05/2   | 2012                                       |   |                    |                      |
|   |  |   |                    |                      |
| SECTION II: SUMMARY OF FINDING  | <del></del> -                              |   |                    |                      |
| A. RHA Section 10 Determination There Are No "navigable waters                |  | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | ne review area     |                      |
| _   |  | n t junisalienom in ti  | ie review area.    |                      |
| B. CWA Section 404 Determination There Are No "waters of the                  | n of Jurisdiction<br>e U.S." within CWA ju | risdiction in the re  | view area          |                      |
| 1. Waters of the US:  | c o.s. within evvirja                      | risdiction in the re  | view area.         |                      |
| Linear Feet   | Width                                      | (ft) and/or   | Acres              |                      |
| Limits of Jurisdiction based on:  | vviden                                     | (it) allayor  | 710100             |                      |
|   |  |   |                    |                      |
| <ol> <li>Non-Regulated Waters/Wetle Potentially jurisdictional was</li> </ol> |  | were assessed and   | determined not     | to be jurisdictional |
| Drainage is a small, relic wa<br>under the 2008 Guidance.                     | sh with no hydrologio                      | function, generall  | y not considered   | jurisdictional       |
| SECTION III: CWA ANALYSIS   |  |   |                    |                      |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs                                 |   |                    |                      |
| 1. Identified TNW:  |  |   |                    |                      |
| Rationale for TNW determinat  | ion:                                       |   |                    |                      |
| 2. Rationale for conclusion that  | t any wetlands preser                      | nt are "adjacent":  |                    |                      |
| B. CHARACTERISTICS OF NON-TNV   | V TRIBUTARY AND ITS                        | ADJACENT WETLA  | NDS                |                      |
| TNW Watershed Size (sq mi):   |  | ributaries flow to 1  |                    | 4                    |
| Drainage Area (sq mi):  |  | liver Miles from tri  |                    | 30 (or more)         |
| Average Annual Rainfall (in):   |  | liver Miles from tri  | •                  |                      |
| Average Annual Snowfall (in):   |  | erial Miles from tr<br>erial Miles from tr  | •                  | 30 (or more)         |
|   |  | Cital Willes Holli U  | isatury to iti vv. |                      |

| eature ID: 55          |   |
|------------------------|---|
| Identify flow route to | TNW:  |
|                        | arent path of downgradient flow. Analysis Area is ultimately within the watershed of . Topography suggests the most likely route of potential flow is Santa Rosa Wash to to the Gila River. |
| Tributary is: Natural  | Explain:  |
| Average Width (ft):    | 7.72  |
| Average Depth (ft):    | 1   |
| Average Side Slopes:   | 2:1   |
| ✓ Silts □ Sands        | ostrate composition (check all that apply):  □ Cobbles □ Bedrock ☑ Gravel □ Vegetation  Muck Other, Explain:  |
| Tributary Condition/S  | Stability. Explain: Stable  |
| Presence of Run/Riffl  | e/Pool Complexes. Explain: Not Present  |
| Tributary Geometry:    | Relatively Straight   |
| Tributary Gradient (a  | pproximate average slope): 2%   |
|                        |   |

| (c) Flow:  |   |  |                 |            |          |                  |  |
|--|---|--|-----------------|------------|----------|------------------|--|
| Tributary Provides for:  | Ephemeral Flow                          | Average Flow Events per year:              |                 |            | 2-5      |                  |  |
| Describe Flow Regime:  | Ephemeral                               | Other Inf                                  | ormatio         | n on Dura  | tion and | l Volume:        |  |
| Surface Flow is:   | Confined                                | Characte                                   | ristics:        |            |          |                  |  |
| Subsurface Flow:   | No                                      | Explain:                                   |                 |            |          |                  |  |
| Tributary Has:   |   |  |                 |            |          |                  |  |
| ☐ Bed and Banks  |   |  |                 |            |          |                  |  |
| ✓ OHWM: OHWM Inc   | dicators:                               |  |                 |            |          |                  |  |
| $\square$ Clear, natural line i  | impressed on the bank                   |  | /egetatio       | on matted  | down, l  | pent or absent   |  |
| Changes in soil cha  | racter                                  |  | eaf litte       | r disturbe | d or was | hed away         |  |
| ☐ Shelving   | $\square$ Presence of litter and debris |  |                 |            |          |                  |  |
| ☐ Sediment deposition  | Destruction of terrestrial vegetation   |  |                 |            |          |                  |  |
| Sediment sorting   |   | $\square$ Abrupt change in plant community |                 |            |          |                  |  |
| ☐ Scour  |   |  | <b>Aultiple</b> | observed   | or predi | cted flow events |  |
| ☐ Presence of wrack  | line                                    | □ \( \bullet \)                            | Vater sta       | aining     |          |                  |  |
| Other (list):  |   |  |                 |            |          |                  |  |
| ☐ Discontinuous? Ex  | rplain:                                 |  |                 |            |          |                  |  |
| (iii) Chemical Characteris   | tics:                                   |  |                 |            |          |                  |  |
| Characterize Tributa   | ry:                                     |  |                 |            |          |                  |  |
|  |   |  |                 |            |          |                  |  |
| , 1  | ,                                       |  |                 |            |          |                  |  |
|  |   |  |                 |            |          |                  |  |
|  |   |  |                 |            |          |                  |  |
| (iii) Chemical Characteris Characterize Tributar Identify Specific Pollu | ry:                                     |  |                 |            |          |                  |  |

| Feature ID: 55   |       |
|--|-------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |       |
| Riparian Corridor Characteristics:   |       |
| ☐ Wetland Fringe Characteristics:  |       |
| Habitat for:   |       |
| ☐ Federally Listed Species Explain:  |       |
| ☐ Fish/Spawn Areas Explain:  |       |
| ☐ Other environmentally -sensitive species Explain:  |       |
| ☐ Aquatic/Wildlife diversity Explain:  |       |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                       |       |
| (i) Physical Characteristics:  |       |
| Wetland Size (ac): Wetland Type, Explain:  |       |
| Wetland Quality, Explain:  |       |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |       |
| Wetland Flow is: Explain:  |       |
| Surface Flow is: Characteristics:  |       |
| Subsurface Flow: Explain Findings:   |       |
| ☐ Wetland Directly Abutting Non-TNW  |       |
| ☐ Wetland Not Directly Abutting Non-TNW  |       |
| ☐ Discrete wetland hydrologic connection Explain:  |       |
| ☐ Ecologcal connection Explain:  |       |
| ☐ Separated by berm/barrier Explain:   |       |
| Project Wetlands: River Miles from TNW:  |       |
| Project Wetlands: Aerial Miles from TNW:   |       |
| Flow is From:  |       |
| Approximate Location of Wetland within Floodplain:   |       |
| (ii) Chemical Characteristics:   |       |
| Characterize Wetland System:   |       |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |       |
| ☐ Riparian Buffer Explain:   |       |
| ☐ Vegetation type/percent cover. Explain:  |       |
| Habitat for:   |       |
| ☐ Federally Listed Species Explain:  |       |
| ☐ Fish/Spawn Areas Explain:  |       |
| Other environmentally-sensitive species Explain:   |       |
| ☐ Aquatic/Wildlife Diversity Explain:  |       |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                      |       |
| All wetland(s) considered in cumulative analysis:  |       |
| Wetland acres in total being considered in cumulative analysis:  |       |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical function | ons): |
|  |       |
|  |       |
|  |       |

| Feature ID: 55   |  |
|--|--|
| . SIGNIFICANT NEXUS DETER  | RMINATION  |
| 1. Significant nexus finding into TNW. Explain:                                  | gs for non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| 2. Significant nexus finding or indirectly into TNW. Exp                         | gs for non-RPW and its adjacent wetlands, where the non-RPW flows directly plain:  |
| 3. Significant nexus finding Explain:  | gs for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
|  |  |
|  | ISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| 1. TNWs and Adjacent We  | ilands   |
|  | Linear Feet Width (ft), Or, Acres  |
| Wetlands adjacent to <sup>-</sup>  |  |
| Reserved for Section III D 2   | (RPWs):  |
| 3. Non-RPWs that flow dir  | ectly or indirectly into TNWs.   |
| ☐ Non-TNW/non-RPW was with a TNW, and is ther                                    | aterbody that flows directly or indirectly into a TNW and has a signficant nexus fore jurisdictional.  |
| Length (Linear Feet):  | Width (feet): Acres:   |
| Reserved for Section III D   | 4 (Wetlands directly abutting RPWs):   |
| Reserved for Section III D   | 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| 6. Wetlands adjacent to n  | on-RPWs that flow directly or indirectly into TNWs.  |
| ☐ Wetland adjacent to no has a significant nexus                                 | on-RPWs which, in combination with the tributary and other adjacent wetlands, with the TNW.  |
| Estimated size of juriso   | dictional wetland (in acres):  |
| 7. Impoundments of juris   | dictional waters.  |
| Demonstration of Juris   | diction:   |
| WHICH COULD AFFECT INTER  Supporting rationale:                                  | DING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF RSTATE COMMERCE   |
| Length (linear feet):  | Acres:   |
| Non-Jurisdictional Waters Other  | TERS, INCLUDING WETLANDS:  |
| Explain finding of no Signi  | ficant Nexus:  |
| Explain finding of Other:  |  |
| 2008 Guidance. Downgra   | wash with no hydrologic function, generally not considered jurisdictional under the dient stormwater flows from this feature would enter other ephemeral drainages mined to have no significant nexus with the downgradient TNW. |
|  | 622.79 linear feet (ft), 7.72 width (ft)   |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul> | acres  |

|--|

| 7-7-10-11-11-11-11-11-11-11-11-11-11-11-11-             |   |
|---|---|
| SECTION IV: DATA SOURCES                                |   |
| ✓ Maps, Plans, Plots or Plat Submitted by Applicant/Co  |   |
| ✓ Data Sheets Prepared/Submitted on behalf of Applica   | ınt   |
| Office Concurs with delineation                         |   |
| Office Does Not Concur with delineation                 |   |
| $\square$ Data Sheets Prepared by the Corps             |   |
| Corps Navigable Water Study                             |   |
| $\square$ US Geological Survey Hydrologic Atlas         |   |
| ☐ USGS NHD Data   |   |
| ☐ USGS 8 and 12 digit HUC Map                           |   |
| ✓ US Geological Survey Map(s) Scale and Quad Name:      |   |
| Silver Reef Mountains SE, North Komelik, and San        |   |
| Silver Reel Modificants SE, North Romenk, and San       | ita nosa iviountains ivivi 7.3-iviinute Quadrangies |
| ☐ USDA Nat'l Res Conservation Service Soil Survey Cit   | tation:   |
| ☐ National Wetlands Inventory Maps Cite Map Name        | e:  |
| State/Local Wetland Inventory Maps                      |   |
| ☐ FEMA/FIR Maps   |   |
| ☐ 100-year Floodplain Elevation is:                     | (National Geodetic Vertical Datum of 1929)          |
| Aerial Photographs (Name and Date): BING, Micros        | soft Virtual Earth 2008                             |
| ✓ Other Photographs (Name and Date): Ground Phot        | tos; May 2012                                       |
| ☐ Previous Determinations File No. and Date of Respo    | onse Letter:  |
| ☐ Applicable/Supporting Case Law Citation:              |   |
| ☐ Applicable/Supporting Scientific Literature Citation: | :   |
| Other Information, Please Specify:                      |   |
| Additional Comments to Support JD:                      |   |
|   |   |
|   |   |
|   |   |
|   |   |
|   |   |

| SECTION I: BACKGROUND INFORM   | <u>ATION</u>                  |   |                                |
|--|-------------------------------|---|--------------------------------|
| A. Report Completion Date for Appr   | roved Jurisdictional Deter    | mination: 07/30/2                         | 012                            |
| B. District Office and File No: Los A  |                               |   |                                |
| C. Project Location and Background   | Information: <b>Drainage</b>  | Feature 56                                |                                |
| City, County, State Sif Oidak Dist   | trict, Tohono O'odham Na      | tion, Pima and Pinal                      | Counties, Arizona              |
| Center coordinates of site: Lat. 33  | 2.5073 Long.                  | -111.9100                                 |                                |
| Name of nearest waterbody: Unn   | amed Wash 56                  |   |                                |
| Name of nearest downstream TNW   | V: Gila River between Po      | wers Butte and Gilles                     | spie Dam                       |
| HUC Code: 15050306   |                               |   |                                |
| ✓ Map/Diagram of potential jurisd  | lictional area is available c | n request                                 |                                |
| D. Review Performed for Site Evalua  | ation:                        |   |                                |
| Office Determination. Date:  |                               |   |                                |
| Field Determination. Date: 05/2  | 012                           |   |                                |
| SECTION II: SUMMARY OF FINDING   | es c                          |   |                                |
| A. RHA Section 10 Determination of   |                               |   |                                |
| There Are No "navigable waters   |                               | risdiction in the revie                   | ew area.                       |
| B. CWA Section 404 Determination   | •                             |   |                                |
|  | e U.S." within CWA jurisdi    | ction in the review a                     | rea.                           |
| 1. Waters of the US:   | •                             |   |                                |
| Linear Feet  | Width (ft)                    | and/or                                    | Acres                          |
| Limits of Jurisdiction based on:   |                               |   |                                |
| <ol> <li>Non-Regulated Waters/Wetland</li> <li>✓ Potentially jurisdictional water</li> </ol> |                               | e assessed and deter                      | mined not to be jurisdictional |
| Drainage is a small, relic was under the 2008 Guidance.                                      | sh with no hydrologic fun     | ction, generally not c                    | onsidered jurisdictional       |
| SECTION III: CWA ANALYSIS  |                               |   |                                |
| A. TNWs AND WETLANDS ADJACEN   | NT TO TNWs                    |   |                                |
| 1. Identified TNW:   |                               |   |                                |
| Rationale for TNW determination  | on:                           |   |                                |
| 2. Rationale for conclusion that   | t any wetlands present are    | e "adjacent":                             |                                |
| B. CHARACTERISTICS OF NON-TNW  | V TRIBUTARY AND ITS ADJ       | ACENT WETLANDS                            |                                |
| TNW Watershed Size (sq mi):  |                               | taries flow to TNW:                       | 4                              |
| Drainage Area (sq mi):   |                               | Miles from tributary                      |                                |
| . ,  |                               | Miles from tributary                      |                                |
| Average Annual Snowfall (in):  |                               | Miles from tributary Miles from tributary |                                |
| ☐ Project waters cross or serve  |                               | Explain:                                  |                                |

| eature ID: 56                  |            |                 |  |
|--------------------------------|------------|-----------------|--|
| Identify flow route to         | TNW:       |                 |  |
|                                | . Topograp | hy suggests the | t flow. Analysis Area is ultimately within the watershed of<br>most likely route of potential flow is Santa Rosa Wash to |
| Tributary is: Natural          | Ex         | plain:          |  |
| Average Width (ft):            | 5.41       |                 |  |
| Average Depth (ft):            | 1          |                 |  |
| Average Side Slopes:           | 2:1        |                 |  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ N |            | bbles $\Box$ Be | drock ✓ Gravel □ Vegetation  |
| Tributary Condition/S          |            | •               |  |
| Presence of Run/Riffl          | •          | •               | n: Not Present   |
| Tributary Geometry:            | _          | ely Straight    |  |
| Tributary Gradient (a          |            |                 | ): 2%  |
|                                |            |                 |  |

| (c) Flow:                  |                       |  |                     |  |
|----------------------------|-----------------------|--|---------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average Flow Events per year:                | 2-5                 |  |
| Describe Flow Regime:      | Ephemeral             | Other Information on Duration a              | and Volume:         |  |
| Surface Flow is:           | Confined              | Characteristics:                             |                     |  |
| Subsurface Flow:           | No                    | Explain:                                     |                     |  |
| Tributary Has:             |                       |  |                     |  |
| ☐ Bed and Banks            |                       |  |                     |  |
| ✓ OHWM: OHWM Inc           | dicators:             |  |                     |  |
| ☐ Clear, natural line      | impressed on the bank | ☐ Vegetation matted dow                      | n, bent or absent   |  |
| Changes in soil cha        | racter                | <ul><li>Leaf litter disturbed or v</li></ul> | vashed away         |  |
| ☐ Shelving                 |                       | $\Box$ Presence of litter and de             | ebris               |  |
| ☐ Sediment deposition      | l vegetation          |  |                     |  |
| Sediment sorting           |                       | $\square$ Abrupt change in plant community   |                     |  |
| $\square$ Scour            |                       | $\square$ Multiple observed or pro           | edicted flow events |  |
| ☐ Presence of wrack        | line                  | $\square$ Water staining                     |                     |  |
| Other (list):              |                       |  |                     |  |
| ☐ Discontinuous? Ex        | rplain:               |  |                     |  |
| (iii) Chemical Characteris | tics:                 |  |                     |  |
| Characterize Tributa       | ry:                   |  |                     |  |
| Identify Specific Poll     | •                     |  |                     |  |
| , ,                        | ,                     |  |                     |  |
|                            |                       |  |                     |  |
|                            |                       |  |                     |  |

| Feature ID: 56   |        |
|--|--------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                      |        |
| Riparian Corridor Characteristics:   |        |
| ☐ Wetland Fringe Characteristics:  |        |
| Habitat for:   |        |
| ☐ Federally Listed Species Explain:  |        |
| ☐ Fish/Spawn Areas Explain:  |        |
| ☐ Other environmentally -sensitive species Explain:  |        |
| ☐ Aquatic/Wildlife diversity Explain:  |        |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                   |        |
| (i) Physical Characteristics:  |        |
| Wetland Size (ac): Wetland Type, Explain:  |        |
| Wetland Quality, Explain:  |        |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |        |
| Wetland Flow is: Explain:  |        |
| Surface Flow is: Characteristics:  |        |
| Subsurface Flow: Explain Findings:   |        |
| ☐ Wetland Directly Abutting Non-TNW  |        |
| ☐ Wetland Not Directly Abutting Non-TNW  |        |
| ☐ Discrete wetland hydrologic connection Explain:  |        |
| ☐ Ecologcal connection Explain:  |        |
| ☐ Separated by berm/barrier Explain:   |        |
| Project Wetlands: River Miles from TNW:  |        |
| Project Wetlands: Aerial Miles from TNW:   |        |
| Flow is From:  |        |
| Approximate Location of Wetland within Floodplain:   |        |
| (ii) Chemical Characteristics:   |        |
| Characterize Wetland System:   |        |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                     |        |
| ☐ Riparian Buffer Explain:   |        |
| ☐ Vegetation type/percent cover. Explain:  |        |
| Habitat for:   |        |
| ☐ Federally Listed Species Explain:  |        |
| ☐ Fish/Spawn Areas Explain:  |        |
| Other environmentally-sensitive species Explain:   |        |
| ☐ Aquatic/Wildlife Diversity Explain:  |        |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                  |        |
| All wetland(s) considered in cumulative analysis:  |        |
| Wetland acres in total being considered in cumulative analysis:  |        |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical func | ions): |
|  |        |
|  |        |
|  |        |

| Feature ID: 56  |  |
|---|--|
| . SIGNIFICANT NEXUS DETER   | RMINATION  |
| 1. Significant nexus finding into TNW. Explain:                           | s for non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| 2. Significant nexus finding or indirectly into TNW. Exp                  | gs for non-RPW and its adjacent wetlands, where the non-RPW flows directly plain:  |
| 3. Significant nexus finding Explain:                                     | gs for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
|   |  |
|   | SDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| 1. TNWs and Adjacent We   |  |
|   | Linear Feet Width (ft), Or, Acres  |
| Wetlands adjacent to 1  |  |
| Reserved for Section III D 2  | (RPWs):  |
|   | ectly or indirectly into TNWs.   |
| ☐ Non-TNW/non-RPW was with a TNW, and is ther                             | sterbody that flows directly or indirectly into a TNW and has a signficant nexus fore jurisdictional.  |
| Length (Linear Feet):   | Width (feet): Acres:   |
| Reserved for Section III D  | 4 (Wetlands directly abutting RPWs):   |
| Reserved for Section III D  | 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| 6. Wetlands adjacent to n   | on-RPWs that flow directly or indirectly into TNWs.  |
| ☐ Wetland adjacent to no has a significant nexus                          | on-RPWs which, in combination with the tributary and other adjacent wetlands, with the TNW.  |
| Estimated size of juriso  | lictional wetland (in acres):  |
| 7. Impoundments of juris  | dictional waters.  |
| Demonstration of Juris  | diction:   |
| E. ISOLATED WATERS, INCLU WHICH COULD AFFECT INTER  Supporting rationale: | DING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF STATE COMMERCE  |
| Length (linear feet):   | Acres:   |
| ,   | TERS, INCLUDING WETLANDS:  |
| Explain finding of no Signi   | ficant Nexus:  |
| Explain finding of Other:   |  |
| Drainage is a small, relic w  | wash with no hydrologic function, generally not considered jurisdictional under the dient stormwater flows from this feature would enter other ephemeral drainages mined to have no significant nexus with the downgradient TNW. |
| ✓ Non-wetland waters  ☐ Other waters                                      | 676.14 linear feet (ft), 5.41 width (ft) acres   |
| ☐ Wetlands  | acres  |

| Feature I | D: | 56 |
|-----------|----|----|
|-----------|----|----|

| SECTION IV: DATA SOURCES   |  |
|--|--|
| ✓ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant   | : WestLand Resources, Inc.                 |
| Data Sheets Prepared/Submitted on behalf of Applicant  |  |
| $\square$ Office Concurs with delineation  |  |
| $\square$ Office Does Not Concur with delineation  |  |
| $\square$ Data Sheets Prepared by the Corps  |  |
| ☐ Corps Navigable Water Study  |  |
| $\square$ US Geological Survey Hydrologic Atlas  |  |
| ☐ USGS NHD Data  |  |
| ☐ USGS 8 and 12 digit HUC Map  |  |
| ✓ US Geological Survey Map(s) Scale and Quad Name:   |  |
| Silver Reef Mountains SE, North Komelik, and Santa Rosa N  | Jountains NW 7 5-Minute Quadrangles        |
| _  | Touristing 1111 / 10 1111 and Quadran 8.00 |
| USDA Nat'l Res Conservation Service Soil Survey Citation:  |  |
| ☐ National Wetlands Inventory Maps Cite Map Name:  |  |
| State/Local Wetland Inventory Maps   |  |
| ☐ FEMA/FIR Maps  | in all Conduction Deturns of 1020)         |
| , .  | ional Geodetic Vertical Datum of 1929)     |
|  |  |
| _  |  |
| <ul><li>☐ Previous Determinations File No. and Date of Response Lette</li><li>☐ Applicable/Supporting Case Law Citation:</li></ul> | PF:  |
| <ul><li>□ Applicable/Supporting Case Law Citation:</li><li>□ Applicable/Supporting Scientific Literature Citation:</li></ul>       |  |
| Other Information, Please Specify:   |  |
| • • •  |  |
| Additional Comments to Support JD:   |  |
|  |  |
|  |  |
|  |  |
|  |  |

| SECTION I: BACKGROUND INFORM                                       | ATION   |  |                                |
|--|---|--|--------------------------------|
| A. Report Completion Date for Appl                                 | roved Jurisdictional Deter                      | mination: 07/30/2                              | 012                            |
| B. District Office and File No: Los A                              |   |  |                                |
| C. Project Location and Background                                 | Information: <b>Drainage</b>                    | Feature 57                                     |                                |
| City, County, State Sif Oidak Dist                                 | trict, Tohono O'odham Na                        | tion, Pima and Pinal                           | Counties, Arizona              |
| Center coordinates of site: Lat. 3                                 | 2.5073 Long.                                    | -111.9100                                      |                                |
| Name of nearest waterbody: Unn                                     | named Wash 57                                   |  |                                |
| Name of nearest downstream TNW                                     | V: Gila River between Po                        | wers Butte and Gilles                          | spie Dam                       |
| HUC Code: 15050306   |   |  |                                |
| ✓ Map/Diagram of potential jurisd                                  | lictional area is available o                   | n request                                      |                                |
| D. Review Performed for Site Evalua                                | ation:  |  |                                |
| Office Determination. Date:  |   |  |                                |
| Field Determination. Date: 05/2                                    | 2012  |  |                                |
| CECTION III. CHIMANA DV OF FINIDING                                | ~c  |  |                                |
| SECTION II: SUMMARY OF FINDING                                     |   |  |                                |
| A. RHA Section 10 Determination of There Are No "navigable waters" |   | risdiction in the revi                         | ew area                        |
| -  | •   |  |                                |
| B. CWA Section 404 Determination  There Are No "waters of the      | n or Jurisalction<br>e U.S." within CWA jurisdi | ction in the review a                          | rea.                           |
| 1. Waters of the US:   |   |  |                                |
| Linear Feet  | Width (ft) a                                    | and/or   | Acres                          |
| Limits of Jurisdiction based on:                                   |   | , -  |                                |
| 2. Non-Regulated Waters/Wetla  ✓ Potentially jurisdictional water  |   | e assessed and deter                           | mined not to be jurisdictional |
| Drainage is a small, relic wa under the 2008 Guidance.             | sh with no hydrologic fun                       | ction, generally not c                         | onsidered jurisdictional       |
| SECTION III: CWA ANALYSIS  |   |  |                                |
| A. TNWs AND WETLANDS ADJACE  | NT TO TNWs                                      |  |                                |
| 1. Identified TNW:   |   |  |                                |
| Rationale for TNW determinati                                      | ion:  |  |                                |
| 2. Rationale for conclusion that                                   | t any wetlands present are                      | e "adjacent":                                  |                                |
| B. CHARACTERISTICS OF NON-TNV                                      | V TRIBUTARY AND ITS ADJ                         | ACENT WETLANDS                                 |                                |
| TNW Watershed Size (sq mi):  |   | taries flow to TNW:                            | 4                              |
| Drainage Area (sq mi):   |   | Miles from tributary                           |                                |
| Average Annual Rainfall (in):                                      |   | Miles from tributary                           |                                |
| Average Annual Snowfall (in):                                      |   | Miles from tributary<br>  Miles from tributary |                                |
| ☐ Project waters cross or serve                                    |   | Explain:                                       |                                |

| Identify flow route to                    | 'NW:  |
|---|---|
|   | ent path of downgradient flow. Analysis Area is ultimately within the watershed of Topography suggests the most likely route of potential flow is Santa Rosa Wash to be the Gila River. |
| Tributary is: Natural                     | Explain:  |
| Average Width (ft):                       | 5.73  |
| Average Depth (ft):                       |   |
| Average Side Slopes:                      | 2:1   |
| Primary tributary sub  ✓ Silts □ Sands    | rate composition (check all that apply):   Cobbles  Bedrock  Gravel  Vegetation   |
| ☐ Concrete ☐ N                            | uck Other, Explain:   |
| Tributary Condition/S                     | ability. Explain: Stable  |
|   | Pool Complexes. Explain: Not Present  |
| Presence of Run/Riff                      | Relatively Straight   |
| Presence of Run/Riffl Tributary Geometry: | Relatively Straight   |

| (c) Flow:  |                                 |                                   |                       |            |                     |           |  |
|--|---------------------------------|-----------------------------------|-----------------------|------------|---------------------|-----------|--|
| Tributary Provides for:  | Ephemeral Flow                  | Average Flow Events per year: 2-5 |                       |            |                     | 2-5       |  |
| Describe Flow Regime:  | Ephemeral                       | Other Inf                         | ormatic               | n on Dura  | tion and            | l Volume: |  |
| Surface Flow is:   | Confined                        | Characte                          | ristics:              |            |                     |           |  |
| Subsurface Flow:   | No                              | Explain:                          |                       |            |                     |           |  |
| Tributary Has:   |                                 |                                   |                       |            |                     |           |  |
| <ul> <li>□ Bed and Banks</li> <li>☑ OHWM: OHWM Inc</li> <li>□ Clear, natural line</li> <li>☑ Changes in soil cha</li> <li>□ Shelving</li> <li>□ Sediment deposition</li> </ul> | mpressed on the bank<br>tracter | □ L                               | eaf litte<br>Presence |            | d or was<br>nd debr |           |  |
| ✓ Sediment sorting   |                                 |                                   | Abrupt c              | hange in p | lant con            | nmunity   |  |
| ☐ Scour  |                                 | ∕Iultiple                         | observed              | or predi   | cted flow events    |           |  |
| <ul><li>□ Presence of wrack line</li><li>□ Water staining</li><li>□ Discontinuous? Explain:</li></ul>  |                                 |                                   |                       |            |                     |           |  |
| (iii) Chemical Characteris   | tics:                           |                                   |                       |            |                     |           |  |
| Characterize Tributa<br>Identify Specific Polli  |                                 |                                   |                       |            |                     |           |  |

| Feature ID: 57  |            |
|---|------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                   |            |
| Riparian Corridor Characteristics:  |            |
| ☐ Wetland Fringe Characteristics:   |            |
| Habitat for:  |            |
| ☐ Federally Listed Species Explain:   |            |
| ☐ Fish/Spawn Areas Explain:   |            |
| ☐ Other environmentally -sensitive species Explain:   |            |
| ☐ Aquatic/Wildlife diversity Explain:   |            |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                |            |
| (i) Physical Characteristics:   |            |
| Wetland Size (ac): Wetland Type, Explain:   |            |
| Wetland Quality, Explain:   |            |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |            |
| Wetland Flow is: Explain:   |            |
| Surface Flow is: Characteristics:   |            |
| Subsurface Flow: Explain Findings:  |            |
| ☐ Wetland Directly Abutting Non-TNW   |            |
| ☐ Wetland Not Directly Abutting Non-TNW   |            |
| ☐ Discrete wetland hydrologic connection Explain:   |            |
| ☐ Ecologcal connection Explain:   |            |
| ☐ Separated by berm/barrier Explain:  |            |
| Project Wetlands: River Miles from TNW:   |            |
| Project Wetlands: Aerial Miles from TNW:  |            |
| Flow is From:   |            |
| Approximate Location of Wetland within Floodplain:  |            |
| (ii) Chemical Characteristics:  |            |
| Characterize Wetland System:  |            |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                  |            |
|   |            |
| ☐ Riparian Buffer Explain: ☐ Vegetation type/percent cover. Explain:  |            |
| Habitat for:  |            |
| Federally Listed Species Explain:   |            |
| ☐ Fish/Spawn Areas Explain:   |            |
| ☐ Other environmentally-sensitive species Explain:  |            |
| ☐ Aquatic/Wildlife Diversity Explain:   |            |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                               |            |
|   |            |
| All wetland(s) considered in cumulative analysis:   |            |
| Wetland acres in total being considered in cumulative analysis:   |            |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical f | unctions): |
|   |            |
|   |            |

| SIGNIFICANT NEXUS DETER                                  | RMINATION  |
|--|--|
|  | s for non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| into TNW. Explain:                                       |  |
| 2. Significant nexus finding or indirectly into TNW. Exp | gs for non-RPW and its adjacent wetlands, where the non-RPW flows directly plain:  |
| 3. Significant nexus finding Explain:                    | gs for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
|  |  |
|  | ISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| 1. TNWs and Adjacent Wet                                 |  |
|  | Linear Feet Width (ft), Or, Acres  |
| Wetlands adjacent to                                     |  |
| Reserved for Section III D 2                             | (RPWs):  |
| 3. Non-RPWs that flow dir                                | ectly or indirectly into TNWs.   |
| ☐ Non-TNW/non-RPW wa<br>with a TNW, and is ther          | sterbody that flows directly or indirectly into a TNW and has a signficant nexus fore jurisdictional.  |
| Length (Linear Feet):                                    | Width (feet): Acres:   |
| Reserved for Section III D                               | 4 (Wetlands directly abutting RPWs):   |
| Reserved for Section III D                               | 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| 6. Wetlands adjacent to n                                | on-RPWs that flow directly or indirectly into TNWs.  |
| ☐ Wetland adjacent to no has a significant nexus         | on-RPWs which, in combination with the tributary and other adjacent wetlands, with the TNW.  |
| Estimated size of jurisc                                 | lictional wetland (in acres):  |
| 7. Impoundments of jurise                                | dictional waters.  |
| Demonstration of Juris                                   | diction:   |
| /HICH COULD AFFECT INTER Supporting rationale:           |  |
| Length (linear feet):                                    | Acres:   |
| NON-JURISDICTIONAL WA Non-Jurisdictional Waters Other    | TERS, INCLUDING WETLANDS: :  |
| Explain finding of no Signi                              | ficant Nexus:  |
| Explain finding of Other:                                |  |
| Drainage is a small, relic w                             | wash with no hydrologic function, generally not considered jurisdictional under the dient stormwater flows from this feature would enter other ephemeral drainages mined to have no significant nexus with the downgradient TNW. |
| ✓ Non-wetland waters                                     | 597.63 linear feet (ft), 6.73 width (ft)   |
| <ul><li>☐ Other waters</li><li>☐ Wetlands</li></ul>      | acres<br>acres   |

| Feature ID: 57  |                          |
|---|--------------------------|
| SECTION IV: DATA SOURCES  |                          |
| ✓ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: | WestLand Resources, Inc. |
| ✓ Data Sheets Prepared/Submitted on behalf of Applicant         |                          |
| ☐ Office Concurs with delineation                               |                          |
| — Since contains with defineation                               |                          |

| ECTIO    | ON IV: DATA SOURCES   |
|----------|---|
| <b>✓</b> | Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.      |
| <b>✓</b> | Data Sheets Prepared/Submitted on behalf of Applicant                                       |
|          | Office Concurs with delineation   |
|          | Office Does Not Concur with delineation   |
|          | Data Sheets Prepared by the Corps   |
|          | Corps Navigable Water Study   |
|          | US Geological Survey Hydrologic Atlas   |
|          | ☐ USGS NHD Data   |
|          | ☐ USGS 8 and 12 digit HUC Map   |
| <b>~</b> | US Geological Survey Map(s) Scale and Quad Name:  |
| •        | Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles |
|          | Silver Reer Mountains 3L, North Romeirk, and Santa Rosa Mountains NW 7.5-Minute Quadrangles |
|          | USDA Nat'l Res Conservation Service Soil Survey Citation:                                   |
|          | National Wetlands Inventory Maps Cite Map Name:   |
|          | State/Local Wetland Inventory Maps  |
|          | FEMA/FIR Maps   |
|          | 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)                |
| <b>✓</b> | Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008                      |
| <b>✓</b> | Other Photographs (Name and Date): Ground Photos; May 2012                                  |
|          | Previous Determinations File No. and Date of Response Letter:                               |
|          | Applicable/Supporting Case Law Citation:  |
|          | Applicable/Supporting Scientific Literature Citation:                                       |
|          | Other Information, Please Specify:  |
| A        | dditional Comments to Support JD:   |
|          |   |
|          |   |
|          |   |
|          |   |
|          |   |

| SECTION I: BACKGROUND INFORM                                  | <u>IATION</u>                                   |  |                       |
|---|---|--|-----------------------|
| A. Report Completion Date for App                             | roved Jurisdictional Determination:             | 07/30/2012                                 |                       |
| B. District Office and File No: Los                           |   |  |                       |
| C. Project Location and Background                            | d Information: Drainage Feature 58              | 3  |                       |
| City, County, State Sif Oidak Dis                             | strict, Tohono O'odham Nation, Pima             | and Pinal Counties, A                      | Arizona               |
| Center coordinates of site: Lat. 3                            | 32.5073 Long111.9100                            |  |                       |
| Name of nearest waterbody: Unr                                | named Wash 58                                   |  |                       |
| Name of nearest downstream TNV                                | N: Gila River between Powers Butte              | and Gillespie Dam                          |                       |
| HUC Code: 15050306  |   |  |                       |
| ✓ Map/Diagram of potential juriso                             | dictional area is available on request          |  |                       |
| D. Review Performed for Site Evalu                            | ation:  |  |                       |
| Office Determination. Date:                                   |   |  |                       |
| Field Determination. Date: 05/2                               | 2012  |  |                       |
| SECTION II: SUMMARY OF FINDING                                | GS  |  |                       |
| A. RHA Section 10 Determination                               |   |  |                       |
|   | of the U.S." within RHA jurisdiction in         | n the review area.                         |                       |
| B. CWA Section 404 Determinatio                               | n of Jurisdiction                               |  |                       |
|   | ne U.S." within CWA jurisdiction in the         | review area.                               |                       |
| 1. Waters of the US:  |   |  |                       |
| Linear Feet   | Width (ft) and/or                               | Acres                                      |                       |
| Limits of Jurisdiction based on:                              |   |  |                       |
| 2. Non-Regulated Waters/Wetl  ✓ Potentially jurisdictional wa | lands:<br>iters and/or wetlands were assessed a | and determined not                         | to be jurisdictional: |
| Drainage is a small, relic wa<br>under the 2008 Guidance.     | ash with no hydrologic function, gene           | rally not considered                       | jurisdictional        |
| SECTION III: CWA ANALYSIS                                     |   |  |                       |
| A. TNWs AND WETLANDS ADJACE                                   | NT TO TNWs                                      |  |                       |
| 1. Identified TNW:  |   |  |                       |
| Rationale for TNW determinat                                  | ion:  |  |                       |
| 2. Rationale for conclusion tha                               | t any wetlands present are "adjacent            | ".   |                       |
| B. CHARACTERISTICS OF NON-TNV                                 | W TRIBUTARY AND ITS ADJACENT WE                 | ΓLANDS                                     |                       |
| TNW Watershed Size (sq mi):                                   | 49650 Tributaries flow                          |  | 4                     |
| Drainage Area (sq mi):  |   | tributary to TNW:                          | 30 (or more)          |
| Average Annual Rainfall (in):                                 |   | tributary to RPW:                          | 20 (or more)          |
| Average Annual Snowfall (in):                                 |   | n tributary to TNW:<br>n tributary to RPW: | 30 (or more)          |
| ☐ Project waters cross or serv                                |   | •  |                       |

| Identify flow route to               | TNW:  |  |
|--------------------------------------|---|--|
|                                      | ent path of downgradient flow. Analysis Area is ultimately within the w<br>Topography suggests the most likely route of potential flow is Santa Ro<br>o the Gila River. |  |
| Tributary is: Natural                | Explain:  |  |
| Average Width (ft):                  | 9.99  |  |
| Average Depth (ft):                  | 1   |  |
| Average Side Slopes:                 | 2:1   |  |
| ✓ Silts ☐ Sands                      | trate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  |  |
| ☐ Concrete ☐ I                       | uck Other, Explain:   |  |
| ☐ Concrete ☐ I  Tributary Condition/ |   |  |
| Tributary Condition/                 |   |  |
| Tributary Condition/                 | ability. Explain: Stable  |  |

| (c) Flow:                        |                      |            |           |             |           |                     |  |
|----------------------------------|----------------------|------------|-----------|-------------|-----------|---------------------|--|
| Tributary Provides for:          | Ephemeral Flow       | Average    | Flow Eve  | ents per ye | ear:      | 2-5                 |  |
| Describe Flow Regime:            | Ephemeral            | Other Inf  | ormatio   | n on Dura   | tion an   | d Volume:           |  |
| Surface Flow is:                 | Confined             | Characte   | ristics:  |             |           |                     |  |
| Subsurface Flow:                 | No                   | Explain:   |           |             |           |                     |  |
| Tributary Has:                   |                      |            |           |             |           |                     |  |
| ☐ Bed and Banks ☑ OHWM: OHWM Inc | licators:            |            |           |             |           |                     |  |
| $\square$ Clear, natural line i  | mpressed on the bank | □ \        | egetation | on matted   | down,     | bent or absent      |  |
| Changes in soil cha              | racter               |            | eaf litte | r disturbe  | d or wa   | shed away           |  |
| ☐ Shelving                       |                      | ☐ P        | resence   | of litter a | nd debi   | ris                 |  |
| Sediment deposition              | on                   | <b>✓</b> [ | Destructi | on of terr  | estrial v | egetation egetation |  |
| Sediment sorting                 |                      |            | Abrupt cl | nange in p  | lant co   | mmunity             |  |
| ☐ Scour                          |                      |            | ∕Iultiple | observed    | or pred   | icted flow events   |  |
| ☐ Presence of wrack              | line                 | □ <b>v</b> | Vater sta | aining      |           |                     |  |
| Other (list):                    |                      |            |           |             |           |                     |  |
| ☐ Discontinuous? Ex              | xplain:              |            |           |             |           |                     |  |
| (iii) Chemical Characteris       | tics:                |            |           |             |           |                     |  |
| Characterize Tributai            | ry:                  |            |           |             |           |                     |  |
| Identify Specific Pollu          | utants, if known:    |            |           |             |           |                     |  |
|                                  |                      |            |           |             |           |                     |  |
|                                  |                      |            |           |             |           |                     |  |
|                                  |                      |            |           |             |           |                     |  |
|                                  |                      |            |           |             |           |                     |  |

| Feature ID: 58  |            |
|---|------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                     |            |
| Riparian Corridor Characteristics:  |            |
| ☐ Wetland Fringe Characteristics:   |            |
| Habitat for:  |            |
| ☐ Federally Listed Species Explain:   |            |
| ☐ Fish/Spawn Areas Explain:   |            |
| ☐ Other environmentally -sensitive species Explain:   |            |
| ☐ Aquatic/Wildlife diversity Explain:   |            |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                  |            |
| (i) Physical Characteristics:   |            |
| Wetland Size (ac): Wetland Type, Explain:   |            |
| Wetland Quality, Explain:   |            |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |            |
| Wetland Flow is: Explain:   |            |
| Surface Flow is: Characteristics:   |            |
| Subsurface Flow: Explain Findings:  |            |
| ☐ Wetland Directly Abutting Non-TNW   |            |
| ☐ Wetland Not Directly Abutting Non-TNW   |            |
| ☐ Discrete wetland hydrologic connection Explain:   |            |
| ☐ Ecologcal connection Explain:   |            |
| ☐ Separated by berm/barrier Explain:  |            |
| Project Wetlands: River Miles from TNW:   |            |
| Project Wetlands: Aerial Miles from TNW:  |            |
| Flow is From:   |            |
| Approximate Location of Wetland within Floodplain:  |            |
| (ii) Chemical Characteristics:  |            |
| Characterize Wetland System:  |            |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                    |            |
|   |            |
| <ul><li>☐ Riparian Buffer Explain:</li><li>☐ Vegetation type/percent cover. Explain:</li></ul>                |            |
| Habitat for:  |            |
| Federally Listed Species Explain:   |            |
| ☐ Fish/Spawn Areas Explain:   |            |
| ☐ Other environmentally-sensitive species Explain:  |            |
| ☐ Aquatic/Wildlife Diversity Explain:   |            |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                 |            |
|   |            |
| All wetland(s) considered in cumulative analysis:   |            |
| Wetland acres in total being considered in cumulative analysis:   |            |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical for | anctions): |
|   |            |
|   |            |

| C. SIGNIFICANT NEXUS DETER   | RMINATION  |  |                               |                             |                  |
|--|--|--|-------------------------------|-----------------------------|------------------|
| 1. Significant nexus finding into TNW. Explain:  | gs for non-RPW that  | t has no adjacent v  | wetlands and                  | flows directl               | y or indirectly  |
| 2. Significant nexus finding or indirectly into TNW. Exp   | -  | its adjacent wetla   | ands, where t                 | he non-RPW                  | flows directly   |
| 3. Significant nexus finding Explain:  | gs for wetlands adja   | acent to an RPW b  | ut that do no                 | t directly abu              | t the RPW.       |
|  |  |  |                               |                             |                  |
| D. DETERMINATIONS OF JUR   |  | NGS. THE SUBJECT   | WATERS/WI                     | ETLANDS ARE                 |                  |
| 1. TNWs and Adjacent We  | tlands   |  |                               |                             |                  |
| ☐ TNWs:  | Linear Feet  | Width  | (ft), Or,                     |                             | Acres            |
| Wetlands adjacent to   | TNWs:  | Acres  |                               |                             |                  |
| Reserved for Section III D 2   | (RPWs):  |  |                               |                             |                  |
| 3. Non-RPWs that flow dir  | ectly or indirectly i  | nto TNWs.  |                               |                             |                  |
| ☐ Non-TNW/non-RPW wa<br>with a TNW, and is ther  | •  | directly or indirect   | tly into a TNW                | / and has a si              | gnficant nexus   |
| Length (Linear Feet):  | Widt   | n (feet):  | Acres:                        |                             |                  |
| Reserved for Section III D   | 4 (Wetlands directly   | abutting RPWs):  |                               |                             |                  |
| Reserved for Section III D   | 5 (Wetlands adjace   | nt to but not direc  | ly abutting R                 | PWs):                       |                  |
| 6. Wetlands adjacent to n  | •  |  | ,                             | -                           |                  |
| ☐ Wetland adjacent to no   |  | -  | •                             |                             | acent wetlands.  |
| has a significant nexus  |  |  | ,                             | ,                           | ,                |
| Estimated size of juriso   | dictional wetland (in  | acres):  |                               |                             |                  |
| 7. Impoundments of juris   | dictional waters.  |  |                               |                             |                  |
| Demonstration of Juris   | diction:   |  |                               |                             |                  |
| Demonstration of June  |  | TLANDS, THE USE  | , DEGRADATI                   | ON OR DEST                  | RUCTION OF       |
| E. ISOLATED WATERS, INCLU WHICH COULD AFFECT INTER   |  | :  |                               |                             |                  |
| E. ISOLATED WATERS, INCLU<br>WHICH COULD AFFECT INTER  |  | <u> </u>   |                               |                             |                  |
| E. ISOLATED WATERS, INCLU  |  | <u> </u>   |                               |                             |                  |
| E. ISOLATED WATERS, INCLU WHICH COULD AFFECT INTER Supporting rationale:   | Acres:   |  |                               |                             |                  |
| E. ISOLATED WATERS, INCLU WHICH COULD AFFECT INTER  Supporting rationale: Length (linear feet):  | Acres:   |  |                               |                             |                  |
| E. ISOLATED WATERS, INCLU WHICH COULD AFFECT INTER Supporting rationale: Length (linear feet): F. NON-JURISDICTIONAL WA  | Acres:   |  |                               |                             |                  |
| E. ISOLATED WATERS, INCLU WHICH COULD AFFECT INTER  Supporting rationale: Length (linear feet):  F. NON-JURISDICTIONAL WA  Non-Jurisdictional Waters   | Acres:  ACRES:   |  |                               |                             |                  |
| E. ISOLATED WATERS, INCLU WHICH COULD AFFECT INTER  Supporting rationale: Length (linear feet):  F. NON-JURISDICTIONAL WA  Non-Jurisdictional Waters  Other  | Acres:  ACRES:   |  |                               |                             |                  |
| E. ISOLATED WATERS, INCLU WHICH COULD AFFECT INTER  Supporting rationale: Length (linear feet):  F. NON-JURISDICTIONAL WA  Non-Jurisdictional Waters  Other  Explain finding of no Signi   | Acres: Ac | <b>VETLANDS:</b> ogic function, generally generall | ure would ent                 | er other eph                | emeral drainages |
| Supporting rationale: Length (linear feet):  F. NON-JURISDICTIONAL WA Non-Jurisdictional Waters Other Explain finding of no Signii Explain finding of Other: Drainage is a small, relic w 2008 Guidance. Downgrad in the Analysis Area deter | Acres: Acres: Acres: Ficant Nexus:  vash with no hydrol dient stormwater flormined to have no significant stor | <b>VETLANDS:</b> ogic function, general company and the second company a | ure would ent<br>th the downg | er other eph<br>radient TNW | emeral drainages |
| Supporting rationale: Length (linear feet):  F. NON-JURISDICTIONAL WA Non-Jurisdictional Waters Other Explain finding of no Signii Explain finding of Other: Drainage is a small, relic was 2008 Guidance. Downgrad                          | Acres: Ac | <b>VETLANDS:</b> ogic function, generally generall | ure would ent                 | er other eph<br>radient TNW | emeral drainages |

| CTION IV: DATA SOURCES  |                                    |
|---|------------------------------------|
| <ul><li>✓ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant:</li><li>✓ Data Sheets Prepared/Submitted on behalf of Applicant</li></ul> | WestLand Resources, Inc.           |
| <ul><li>Office Concurs with delineation</li><li>Office Does Not Concur with delineation</li></ul>   |                                    |
| <ul><li>□ Data Sheets Prepared by the Corps</li><li>□ Corps Navigable Water Study</li></ul>   |                                    |
| <ul><li>☐ US Geological Survey Hydrologic Atlas</li><li>☐ USGS NHD Data</li></ul>   |                                    |
| $\square$ USGS 8 and 12 digit HUC Map   |                                    |
| ✓ US Geological Survey Map(s) Scale and Quad Name:  |                                    |
| Silver Reef Mountains SE, North Komelik, and Santa Rosa Mo  | ountains NW 7.5-Minute Quadrangles |

(National Geodetic Vertical Datum of 1929)

☐ FEMA/FIR Maps

☐ 100-year Floodplain Elevation is:

☐ Applicable/Supporting Case Law Citation:

Other Information, Please Specify: Additional Comments to Support JD:

☐ Applicable/Supporting Scientific Literature Citation:

✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008

✓ Other Photographs (Name and Date): Ground Photos; May 2012☐ Previous Determinations File No. and Date of Response Letter:

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>                           |                     |                                     |                      |
|--|---|---------------------|-------------------------------------|----------------------|
| A. Report Completion Date for App  | roved Jurisdictional                    | Determination:      | 07/30/2012                          |                      |
| B. District Office and File No: Los A  | Angeles District, File                  | No. Pending         |                                     |                      |
| C. Project Location and Background   | Information: <b>Dr</b>                  | ainage Feature 59   |                                     |                      |
| City, County, State Sif Oidak Dis  | trict, Tohono O'odh                     | nam Nation, Pima a  | and Pinal Counties, A               | Arizona              |
| Center coordinates of site: Lat. 3   | 2.5073                                  | Long111.9100        |                                     |                      |
| Name of nearest waterbody: Unr   | named Wash 59                           |                     |                                     |                      |
| Name of nearest downstream TNV   | V: Gila River betw                      | een Powers Butte    | and Gillespie Dam                   |                      |
| HUC Code: 15050306   |   |                     |                                     |                      |
| ✓ Map/Diagram of potential jurisc  | lictional area is ava                   | ilable on request   |                                     |                      |
| D. Review Performed for Site Evalu   | ation:                                  |                     |                                     |                      |
| Office Determination. Date:  |   |                     |                                     |                      |
| Field Determination. Date: 05/2  | 2012                                    |                     |                                     |                      |
| •  |   |                     |                                     |                      |
| SECTION II: SUMMARY OF FINDING   |   |                     |                                     |                      |
| A. RHA Section 10 Determination There Are No "navigable waters                       |   | RHA jurisdiction in | the review area                     |                      |
| _  |   | Min garisalector ii | Time review area.                   |                      |
| B. CWA Section 404 Determinatio  There Are No "waters of th                          | n of Jurisdiction<br>e U.S." within CWA | iurisdiction in the | review area                         |                      |
| 1. Waters of the US:   | C 0.5. Within CVV                       | jurisuretion in the | review area.                        |                      |
| Linear Feet  | Wid                                     | th (ft) and/or      | Acres                               |                      |
| Limits of Jurisdiction based on:   |   | err (rey array or   | 7.6.63                              |                      |
|  |   |                     |                                     |                      |
| <ol> <li>Non-Regulated Waters/Wetl</li> <li>Potentially jurisdictional wa</li> </ol> |   | ds were assessed a  | nd determined not                   | to be jurisdictional |
| Drainage is a small, relic wa<br>under the 2008 Guidance.                            | sh with no hydrolo                      | gic function, gener | ally not considered                 | jurisdictional       |
| SECTION III: CWA ANALYSIS  |   |                     |                                     |                      |
| A. TNWs AND WETLANDS ADJACE  | NT TO TNWs                              |                     |                                     |                      |
| 1. Identified TNW:   |   |                     |                                     |                      |
| Rationale for TNW determinat   | ion:                                    |                     |                                     |                      |
| 2. Rationale for conclusion that   | t any wetlands pres                     | ent are "adjacent"  | <u>'</u> :                          |                      |
| B. CHARACTERISTICS OF NON-TNV  | V TRIBUTARY AND I                       | TS ADJACENT WET     | LANDS                               |                      |
| TNW Watershed Size (sq mi):  | 49650                                   | Tributaries flow t  | o TNW:                              | 4                    |
| Drainage Area (sq mi):   | 0.00046                                 |                     | tributary to TNW:                   | 30 (or more)         |
| Average Annual Rainfall (in):  | 8.5                                     |                     | tributary to RPW:                   |                      |
| Average Annual Snowfall (in):  | 0                                       |                     | tributary to TNW: tributary to RPW: | 30 (or more)         |
| ☐ Project waters cross or serv   |   |                     | and the second second second        |                      |

| •   | arent pa<br>n. Topog   | raphy sug                          | •                                  | •            | •            | thin the watershed of<br>Santa Rosa Wash to |
|---|--|------------------------------------|------------------------------------|--------------|--------------|---|
| Tributary is: Natural   |  | Explain:                           |                                    |              |              |   |
| Average Width (ft):   | 9.97   |                                    |                                    |              |              |   |
| Average Depth (ft):   | 1  |                                    |                                    |              |              |   |
|   |  |                                    |                                    |              |              |   |
| Average Side Slopes: Primary tributary sub                        |  | rompositio                         | on (check all                      | that apply): |              |   |
| Primary tributary sub  Silts  Sands                               | ostrate (  | composition<br>Cobbles<br>Other, I | ☐ Bedro                            |              | ☐ Vegetation |   |
| Primary tributary sub  Silts  Sands                               | ostrate os   S  Muck   | Cobbles Other, I                   | ☐ Bedro                            |              | □ Vegetation |   |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N             | ostrate of some of the some of | Cobbles Other, I                   | ☐ Bedro                            |              | □ Vegetation |   |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/ | ostrate os   Muck Stability  | Cobbles Other, I                   | Bedro Explain:  Stable s. Explain: | ock 🗹 Gravel | □ Vegetation |   |

| (c) Flow:                        |                      |            |                   |             |           |                   |
|----------------------------------|----------------------|------------|-------------------|-------------|-----------|-------------------|
| Tributary Provides for:          | Ephemeral Flow       | Average    | Flow Eve          | ents per ye | ear:      | 2-5               |
| Describe Flow Regime:            | Ephemeral            | Other Inf  | ormatio           | n on Dura   | tion and  | d Volume:         |
| Surface Flow is:                 | Confined             | Characte   | ristics:          |             |           |                   |
| Subsurface Flow:                 | No                   | Explain:   |                   |             |           |                   |
| Tributary Has:                   |                      |            |                   |             |           |                   |
| ☐ Bed and Banks ☑ OHWM: OHWM Inc | dicators:            |            |                   |             |           |                   |
| $\square$ Clear, natural line i  | mpressed on the bank | □ \        | /egetatio         | on matted   | down,     | bent or absent    |
| Changes in soil cha              | racter               | □ L        | eaf litte.        | r disturbe  | d or was  | shed away         |
| ☐ Shelving                       |                      |            | resence           | of litter a | nd debr   | ris               |
| ☐ Sediment deposition            | on                   | ✓ [        | <b>Destruct</b> i | on of terr  | estrial v | egetation         |
| Sediment sorting                 |                      |            | Abrupt cl         | nange in p  | lant cor  | mmunity           |
| ☐ Scour                          |                      |            | ∕Iultiple         | observed    | or pred   | icted flow events |
| ☐ Presence of wrack              | line                 | □ <b>\</b> | Vater st          | aining      |           |                   |
| Other (list):                    |                      |            |                   |             |           |                   |
| ☐ Discontinuous? Ex              | xplain:              |            |                   |             |           |                   |
| (iii) Chemical Characteris       | tics:                |            |                   |             |           |                   |
| Characterize Tributa             | ry:                  |            |                   |             |           |                   |
| Identify Specific Pollu          | utants, if known:    |            |                   |             |           |                   |
|                                  |                      |            |                   |             |           |                   |
|                                  |                      |            |                   |             |           |                   |
|                                  |                      |            |                   |             |           |                   |

| Feature ID: 59   |           |
|--|-----------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                    |           |
| Riparian Corridor Characteristics:   |           |
| ☐ Wetland Fringe Characteristics:  |           |
| Habitat for:   |           |
| ☐ Federally Listed Species Explain:  |           |
| ☐ Fish/Spawn Areas Explain:  |           |
| ☐ Other environmentally -sensitive species Explain:  |           |
| ☐ Aquatic/Wildlife diversity Explain:  |           |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                 |           |
| (i) Physical Characteristics:  |           |
| Wetland Size (ac): Wetland Type, Explain:  |           |
| Wetland Quality, Explain:  |           |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |           |
| Wetland Flow is: Explain:  |           |
| Surface Flow is: Characteristics:  |           |
| Subsurface Flow: Explain Findings:   |           |
| ☐ Wetland Directly Abutting Non-TNW  |           |
| ☐ Wetland Not Directly Abutting Non-TNW  |           |
| ☐ Discrete wetland hydrologic connection Explain:  |           |
| ☐ Ecologcal connection Explain:  |           |
| ☐ Separated by berm/barrier Explain:   |           |
| Project Wetlands: River Miles from TNW:  |           |
| Project Wetlands: Aerial Miles from TNW:   |           |
| Flow is From:  |           |
| Approximate Location of Wetland within Floodplain:   |           |
| (ii) Chemical Characteristics:   |           |
| Characterize Wetland System:   |           |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                   |           |
|  |           |
| <ul><li>☐ Riparian Buffer Explain:</li><li>☐ Vegetation type/percent cover. Explain:</li></ul>               |           |
| Habitat for:   |           |
| Federally Listed Species Explain:  |           |
| ☐ Fish/Spawn Areas Explain:  |           |
| ☐ Other environmentally-sensitive species Explain:   |           |
| ☐ Aquatic/Wildlife Diversity Explain:  |           |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                |           |
| All wetland(s) considered in cumulative analysis:  |           |
| Wetland acres in total being considered in cumulative analysis:  |           |
| ,  | nctions): |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fu | netions): |
|  |           |
|  |           |

| Feature ID: 59   |  |
|--|--|
| C. SIGNIFICANT NEXUS DETER   | RMINATION  |
| 1. Significant nexus finding into TNW. Explain:                            | s for non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| 2. Significant nexus finding or indirectly into TNW. Exp                   | gs for non-RPW and its adjacent wetlands, where the non-RPW flows directly plain:  |
| 3. Significant nexus finding Explain:                                      | gs for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
|  |  |
|  | ISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| 1. TNWs and Adjacent We  | clands   |
| ☐ TNWs:  | Linear Feet Width (ft), Or, Acres  |
| Wetlands adjacent to   | TNWs: Acres  |
| Reserved for Section III D 2   | (RPWs):  |
| 3. Non-RPWs that flow dir  | ectly or indirectly into TNWs.   |
| ☐ Non-TNW/non-RPW wa<br>with a TNW, and is ther                            | eterbody that flows directly or indirectly into a TNW and has a signficant nexus fore jurisdictional.  |
| Length (Linear Feet):  | Width (feet): Acres:   |
| Reserved for Section III D   | 4 (Wetlands directly abutting RPWs):   |
| Reserved for Section III D   | 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| 6. Wetlands adjacent to n  | on-RPWs that flow directly or indirectly into TNWs.  |
| ☐ Wetland adjacent to no<br>has a significant nexus                        | on-RPWs which, in combination with the tributary and other adjacent wetlands, with the TNW.  |
| Estimated size of juriso   | lictional wetland (in acres):  |
| 7. Impoundments of juris   | dictional waters.  |
| Demonstration of Juris   | diction:   |
| E. ISOLATED WATERS, INCLU WHICH COULD AFFECT INTER Supporting rationale:   | DING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF RISTATE COMMERCE  |
| Length (linear feet):  | Acres:   |
| F. NON-JURISDICTIONAL WA<br>Non-Jurisdictional Waters<br>Other             | TERS, INCLUDING WETLANDS:  |
| Explain finding of no Signi  | ficant Nexus:  |
| Explain finding of Other:  |  |
| Drainage is a small, relic w   | vash with no hydrologic function, generally not considered jurisdictional under the dient stormwater flows from this feature would enter other ephemeral drainages mined to have no significant nexus with the downgradient TNW. |
| ✓ Non-wetland waters   |  |
| <ul><li>Non-wetland waters</li><li>Other waters</li><li>Wetlands</li></ul> | 1279.20 linear feet (ft), 9.97 width (ft) acres acres  |
| vvecialius   | acies  |

| Feature | ID: | 59 |
|---------|-----|----|
|         |     |    |

| 7-7-10-11-11-11-11-11-11-11-11-11-11-11-11-             |   |
|---|---|
| SECTION IV: DATA SOURCES                                |   |
| ✓ Maps, Plans, Plots or Plat Submitted by Applicant/Co  |   |
| ✓ Data Sheets Prepared/Submitted on behalf of Applica   | ınt   |
| Office Concurs with delineation                         |   |
| Office Does Not Concur with delineation                 |   |
| $\square$ Data Sheets Prepared by the Corps             |   |
| Corps Navigable Water Study                             |   |
| $\square$ US Geological Survey Hydrologic Atlas         |   |
| ☐ USGS NHD Data   |   |
| ☐ USGS 8 and 12 digit HUC Map                           |   |
| ✓ US Geological Survey Map(s) Scale and Quad Name:      |   |
| Silver Reef Mountains SE, North Komelik, and San        |   |
| Silver Reel Modificants SE, North Romenk, and San       | ita nosa iviountains ivivi 7.3-iviinute Quadrangies |
| ☐ USDA Nat'l Res Conservation Service Soil Survey Cit   | tation:   |
| ☐ National Wetlands Inventory Maps Cite Map Name        | e:  |
| State/Local Wetland Inventory Maps                      |   |
| ☐ FEMA/FIR Maps   |   |
| ☐ 100-year Floodplain Elevation is:                     | (National Geodetic Vertical Datum of 1929)          |
| Aerial Photographs (Name and Date): BING, Micros        | soft Virtual Earth 2008                             |
| ✓ Other Photographs (Name and Date): Ground Phot        | tos; May 2012                                       |
| ☐ Previous Determinations File No. and Date of Respo    | onse Letter:  |
| ☐ Applicable/Supporting Case Law Citation:              |   |
| ☐ Applicable/Supporting Scientific Literature Citation: | :   |
| Other Information, Please Specify:                      |   |
| Additional Comments to Support JD:                      |   |
|   |   |
|   |   |
|   |   |
|   |   |
|   |   |

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>     |                           |                                     |                      |
|--|-------------------|---------------------------|-------------------------------------|----------------------|
| A. Report Completion Date for App  | roved Jurisdict   | ional Determination:      | 07/30/2012                          |                      |
| B. District Office and File No: Los  | Angeles Distric   | t, File No. Pending       |                                     |                      |
| C. Project Location and Background   | d Information:    | Drainage Feature 5/       | 1                                   |                      |
| City, County, State Sif Oidak Dis  | trict, Tohono (   | D'odham Nation, Pima      | and Pinal Counties, A               | Arizona              |
| Center coordinates of site: Lat.   | 32.5073           | Long111.9100              |                                     |                      |
| Name of nearest waterbody: Un  | named Wash 5      | A                         |                                     |                      |
| Name of nearest downstream TN\   | V: Gila River l   | petween Powers Butte      | and Gillespie Dam                   |                      |
| HUC Code: 15050306   |                   |                           |                                     |                      |
| ✓ Map/Diagram of potential juris   | dictional area is | s available on request    |                                     |                      |
| D. Review Performed for Site Evalu   | ation:            |                           |                                     |                      |
| Office Determination. Date:  |                   |                           |                                     |                      |
| Field Determination. Date: 05/2  | 2012              |                           |                                     |                      |
|  |                   |                           |                                     |                      |
| SECTION II: SUMMARY OF FINDING   |                   |                           |                                     |                      |
| A. RHA Section 10 Determination  There Are No "navigable waters  |                   | ithin P∐A juricdiction in | the review area                     |                      |
| _  |                   | •                         | i tile review area.                 |                      |
| B. CWA Section 404 Determination  There Are No "waters of the state of |                   |                           | roviou aroa                         |                      |
|  | ie U.S. Within    | CWA jurisdiction in the   | review area.                        |                      |
| 1. Waters of the US:   |                   | \\/;d+b (f+\ and /ar      | Acros                               |                      |
| Linear Feet Limits of Jurisdiction based on:   |                   | Width (ft) and/or         | Acres                               |                      |
| Limits of Juristiction based on.   |                   |                           |                                     |                      |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional was</li> </ol>   |                   | etlands were assessed a   | and determined not                  | to be jurisdictional |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne  | it possessed a    | significant nexus with a  |                                     |                      |
| SECTION III: CWA ANALYSIS  |                   |                           |                                     |                      |
| A. TNWs AND WETLANDS ADJACE  | NT TO TNWs        |                           |                                     |                      |
| 1. Identified TNW:   |                   |                           |                                     |                      |
| Rationale for TNW determinat   | ion:              |                           |                                     |                      |
|  |                   |                           |                                     |                      |
| 2. Rationale for conclusion tha  | t any wetlands    | present are "adjacent'    | <b>':</b>                           |                      |
| B. CHARACTERISTICS OF NON-TN   | W TRIBUTARY A     | AND ITS ADJACENT WE       | TLANDS                              |                      |
| TNW Watershed Size (sq mi):  | 49650             | Tributaries flow t        | to TNW:                             | 4                    |
| Drainage Area (sq mi):   | 0.00007           |                           | tributary to TNW:                   | 30 (or more)         |
| Average Annual Rainfall (in):  | 8.5               |                           | tributary to RPW:                   |                      |
| Average Annual Snowfall (in):  | 0                 |                           | tributary to TNW: tributary to RPW: | 30 (or more)         |
| ☐ Project waters cross or serv   | e as state boui   | ndaries. Explain:         |                                     |                      |

Feature ID: 5A

| Identify flow route to   |                           |                     |             |                |      |            |    |  |
|--|---------------------------|---------------------|-------------|----------------|------|------------|----|--|
| Unnamed drainages v<br>suggests the most lik<br>River.                       |                           | •                   |             | •              |      |            |    |  |
| Tributary is: Natural  |                           | Explain:            |             |                |      |            |    |  |
| Average Width (ft):  | 3.93                      |                     |             |                |      |            |    |  |
| Average Depth (ft):  | 1                         |                     |             |                |      |            |    |  |
|  |                           |                     |             |                |      |            |    |  |
|  |                           | compositio          | n (check al | l that apply): |      |            |    |  |
| Average Side Slopes:  Primary tributary sub  Silts Sands                     | ostrate o                 | Cobbles             | ☐ Bedro     |                | avel | ☐ Vegetati | on |  |
| Primary tributary sub  ✓ Silts □ Sands                                       | ostrate o                 | ·                   | ☐ Bedro     |                | avel | □ Vegetati | on |  |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N                        | ostrate o                 | Cobbles<br>Other, E | ☐ Bedro     |                | avel | □ Vegetati | on |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Fributary Condition/S | ostrate o  Muck Stability | Cobbles Other, E    | ☐ Bedro     |                |      | □ Vegetati | on |  |
| Primary tributary sub  ☑ Silts ☐ Sands                                       | ostrate of Stability      | Cobbles Other, E    | Bedro       | ock ☑ Gra      |      | □ Vegetati | on |  |

| Tributary Provides for: Ephemeral Flow Average Flow Events per year: 2-5  Describe Flow Regime: Ephemeral Other Information on Duration and Volume: Surface Flow is: Confined Characteristics: Subsurface Flow: No Explain:  Tributary Has:  | (c) Flow:                  |                   |             |            |           |           |                  |  |
|--|----------------------------|-------------------|-------------|------------|-----------|-----------|------------------|--|
| Surface Flow is:  Subsurface Flow:  No  Explain:  Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank  Changes in soil character  Sediment deposition  Sediment sorting  Abrupt change in plant community  Scour  Multiple observed or predicted flow events  Presence of wrack line  Other (list):  Discontinuous? Explain:  Characteristics:  Characterize Tributary:   | Tributary Provides for:    | Ephemeral Flow    | Average Fl  | low Event  | s per ye  | 2-5       |                  |  |
| Subsurface Flow:  No Explain:  Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank  Changes in soil character  Sediment deposition  Sediment sorting  Abrupt change in plant community  Scour  Multiple observed or predicted flow events  Presence of wrack line Other (list):  Discontinuous? Explain:  Substitution of terrestrial vegetation  Mater staining Other (list):  Characterize Tributary:   | Describe Flow Regime:      | Ephemeral         | Other Info  | rmation c  | n Durat   | ion and   | Volume:          |  |
| Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank Changes in soil character Sediment deposition Sediment sorting Scour Multiple observed or predicted flow events Presence of wrack line Other (list): Discontinuous? Explain:  Characterize Tributary:   | Surface Flow is:           | Confined          | Characteri  | stics:     |           |           |                  |  |
| Bed and Banks   ✔ OHWM: OHWM Indicators:   Clear, natural line impressed on the bank Vegetation matted down, bent or absent   ✔ Changes in soil character Leaf litter disturbed or washed away   Shelving Presence of litter and debris   Sediment deposition Destruction of terrestrial vegetation   ✔ Sediment sorting Abrupt change in plant community   Scour Multiple observed or predicted flow events   Presence of wrack line Water staining   Other (list): Discontinuous? Explain:    (iii) Chemical Characteristics:  Characterize Tributary:   | Subsurface Flow:           | No                | Explain:    |            |           |           |                  |  |
| ✓ OHWM: OHWM Indicators:  □ Clear, natural line impressed on the bank □ Changes in soil character □ Leaf litter disturbed or washed away □ Shelving □ Presence of litter and debris □ Sediment deposition □ Destruction of terrestrial vegetation □ Abrupt change in plant community □ Scour □ Multiple observed or predicted flow events □ Presence of wrack line □ Other (list): □ Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:   | Tributary Has:             |                   |             |            |           |           |                  |  |
| ✓ OHWM: OHWM Indicators:  □ Clear, natural line impressed on the bank □ Changes in soil character □ Leaf litter disturbed or washed away □ Shelving □ Presence of litter and debris □ Sediment deposition □ Destruction of terrestrial vegetation □ Abrupt change in plant community □ Scour □ Multiple observed or predicted flow events □ Presence of wrack line □ Other (list): □ Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:   | □ Bed and Banks            |                   |             |            |           |           |                  |  |
| <ul> <li>□ Clear, natural line impressed on the bank</li> <li>□ Changes in soil character</li> <li>□ Leaf litter disturbed or washed away</li> <li>□ Shelving</li> <li>□ Presence of litter and debris</li> <li>□ Sediment deposition</li> <li>☑ Destruction of terrestrial vegetation</li> <li>☑ Sediment sorting</li> <li>□ Abrupt change in plant community</li> <li>□ Scour</li> <li>□ Multiple observed or predicted flow events</li> <li>□ Presence of wrack line</li> <li>□ Other (list):</li> <li>□ Discontinuous? Explain:</li> </ul> (iii) Chemical Characteristics: Characterize Tributary: |                            | dicators:         |             |            |           |           |                  |  |
| <ul> <li>✓ Changes in soil character</li> <li>☐ Shelving</li> <li>☐ Presence of litter and debris</li> <li>☐ Sediment deposition</li> <li>✓ Destruction of terrestrial vegetation</li> <li>✓ Sediment sorting</li> <li>☐ Abrupt change in plant community</li> <li>☐ Scour</li> <li>☐ Multiple observed or predicted flow events</li> <li>☐ Presence of wrack line</li> <li>☐ Water staining</li> <li>☐ Other (list):</li> <li>☐ Discontinuous? Explain:</li> </ul> (iii) Chemical Characteristics: Characterize Tributary:  |                            |                   | □ Ve        | getation   | matted    | down, k   | ent or absent    |  |
| Shelving □ Presence of litter and debris   Sediment deposition ☑ Destruction of terrestrial vegetation   ☑ Sediment sorting □ Abrupt change in plant community   □ Scour □ Multiple observed or predicted flow events   □ Presence of wrack line □ Water staining   Other (list): □ Discontinuous? Explain:    (iii) Chemical Characteristics:  Characterize Tributary:  |                            | •                 |             | _          |           |           |                  |  |
| ✓ Sediment sorting   |                            |                   | ☐ Pr        | esence of  | litter ar | nd debri  | is               |  |
| Scour Multiple observed or predicted flow events Presence of wrack line Water staining Other (list): Discontinuous? Explain:  (iii) Chemical Characteristics: Characterize Tributary:  | ☐ Sediment deposition      | on                | <b>✓</b> De | estruction | of terre  | strial ve | egetation        |  |
| ☐ Presence of wrack line ☐ Water staining Other (list): ☐ Discontinuous? Explain:  (iii) Chemical Characteristics: Characterize Tributary:   | Sediment sorting           |                   | ☐ Ab        | rupt char  | nge in pl | ant con   | nmunity          |  |
| Other (list):  Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:   | ☐ Scour                    |                   | $\square$ M | ultiple ob | served o  | or predi  | cted flow events |  |
| ☐ Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:  | ☐ Presence of wrack        | line              | $\square$ W | ater stain | ing       |           |                  |  |
| (iii) Chemical Characteristics: Characterize Tributary:  | Other (list):              |                   |             |            |           |           |                  |  |
| Characterize Tributary:  | ☐ Discontinuous? Ex        | xplain:           |             |            |           |           |                  |  |
| Characterize Tributary:  | (iii) Chamical Characteris | tice:             |             |            |           |           |                  |  |
| ·  |                            |                   |             |            |           |           |                  |  |
| Identity Specific Pollutants, it known:  | · ·                        |                   |             |            |           |           |                  |  |
| identify Specific Foliatants, it knows:  | Identify Specific Polli    | utants, if known: |             |            |           |           |                  |  |
|  |                            |                   |             |            |           |           |                  |  |
|  |                            |                   |             |            |           |           |                  |  |
|  |                            |                   |             |            |           |           |                  |  |

| Feature ID: 5A  |
|---|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |
| ☐ Riparian Corridor Characteristics:  |
| ☐ Wetland Fringe Characteristics:   |
| Habitat for:  |
| ☐ Federally Listed Species Explain:   |
| ☐ Fish/Spawn Areas Explain:   |
| ☐ Other environmentally -sensitive species Explain:   |
| ☐ Aquatic/Wildlife diversity Explain:   |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                          |
| (i) Physical Characteristics:   |
| Wetland Size (ac): Wetland Type, Explain:   |
| Wetland Quality, Explain:   |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |
| Wetland Flow is: Explain:   |
| Surface Flow is: Characteristics:   |
| Subsurface Flow: Explain Findings:  |
| ☐ Wetland Directly Abutting Non-TNW   |
| ☐ Wetland Not Directly Abutting Non-TNW   |
| ☐ Discrete wetland hydrologic connection Explain:   |
| ☐ Ecologcal connection Explain:   |
| ☐ Separated by berm/barrier Explain:  |
| Project Wetlands: River Miles from TNW:   |
| Project Wetlands: Aerial Miles from TNW:  |
| Flow is From:   |
| Approximate Location of Wetland within Floodplain:  |
| (ii) Chemical Characteristics:  |
| Characterize Wetland System:  |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |
| ☐ Riparian Buffer Explain:  |
| ☐ Vegetation type/percent cover. Explain:   |
| Habitat for:  |
| ☐ Federally Listed Species Explain:   |
| ☐ Fish/Spawn Areas Explain:   |
| ☐ Other environmentally-sensitive species Explain:  |
| ☐ Aquatic/Wildlife Diversity Explain:   |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |
| All wetland(s) considered in cumulative analysis:   |
| Wetland acres in total being considered in cumulative analysis:   |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions): |
| (   |
|   |
|   |

| SIGNIFICANT NEXUS  | DETERMINATION  |  |  |   |  |
|--|--|--|--|---|--|
| 1. Significant nexus f into TNW. Explain:  | indings for non-RP\  | W that has no  | adjacent wetlar  | nds and flows d   | irectly or indirectly  |
| between Powers But<br>discharges, in combin<br>downstream manma<br>possibility of a hydro<br>critical habitats were<br>does not provide life<br>drainage does not ha | te and Gillespie Dan<br>nation with the geor<br>de impoundment (T<br>logic connection be<br>identified within th<br>cycle support functive<br>we more than a spec<br>the TNW. Therefor | m. An analysis morphology of Fat Momolikot tween this drane Analysis Are ions, nutrients, eculative or insect, this unname | of peak yearly di<br>f the Analysis Are<br>Dam), and the coninage and the TI<br>a. Additionally, to<br>or organic carb<br>ubstantial effect<br>ed ephemeral dr | ischarges and pea, the presence distance to the NW is tenuous. this unnamed eon to species we on the physicarainage does no | e of a significant TNW, suggests that the No pollutants or phemeral drainage ithin the TNW. This I, chemical, and/or t possess a significant |
| 2. Significant nexus for indirectly into TN  | -  | W and its adja   | cent wetlands,   | where the non-  | RPW flows directly   |
| 3. Significant nexus f<br>Explain:   | indings for wetland  | ds adjacent to   | an RPW but tha   | t do not directl  | y abut the RPW.  |
| . DETERMINATIONS O   | F JURISDICTIONAL   | FINDINGS. TH   | E SUBJECT WAT  | ERS/WETLAND   | S ARE  |
| 1. TNWs and Adjace   |  |  |  | •   |  |
| ☐ TNWs:  | Linear Feet  |  | Width (ft), O  | r.  | Acres  |
| Wetlands adjace  |  | Acres  |  | .,  |  |
| Reserved for Section   |  |  |  |   |  |
| 3. Non-RPWs that flo   |  | ectly into TNV   | Vs.  |   |  |
| ☐ Non-TNW/non-RI   | PW waterbody that is therfore jurisdicti   | flows directly   | or indirectly into   | o a TNW and ha  | s a signficant nexus   |
| Reserved for Section   | ı III D 4 (Wetlands d  | lirectly abuttin   | ig RPWs):  |   |  |
| Reserved for Section   | າ III D 5 (Wetlands a  | idjacent to but  | not directly abu   | utting RPWs):   |  |
| 6. Wetlands adjacer  | nt to non-RPWs tha   | t flow directly  | or indirectly in   | to TNWs.  |  |
| has a significant  | nexus with the TNW   | ٧.   | tion with the tri  | butary and othe   | er adjacent wetlands,  |
|  | f jurisdictional wetla   | •  |  |   |  |
| 7. Impoundments o  | f jurisdictional wate  | ers.   |  |   |  |
| Demonstration of   | f Jurisdiction:  |  |  |   |  |
| ISOLATED WATERS  | INCLUDING ISOLATI  |  | S, THE USE, DEG  | RADATION OR   | DESTRUCTION OF   |
| WHICH COULD AFFECT   | INTERSTATE COM   |  |  |   |  |
|  |  |  |  |   |  |

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Explain finding of no Significant Nexus:

| Feature ID: 5A  |  |                          |                       |                 |
|---|--|--------------------------|-----------------------|-----------------|
| As described in Section 3C possess a significant nexus  |  |                          | inage determined tha  | at it did not   |
| Explain finding of Other:   |  |                          |                       |                 |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>  | 529.79 linear acres acres                                | feet (ft), 3.            | 93 width (ft)         |                 |
| SECTION IV: DATA SOURCES  |  |                          |                       |                 |
|   | Submitted on behalf of delineation ncur with delineation |                          | WestLand Resources    | 5, Inc.         |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Water</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digital</li> </ul> | Study<br>lydrologic Atlas                                |                          |                       |                 |
| ✓ US Geological Survey N<br>Silver Reef Mounta  | Map(s) Scale and Quadins SE, North Komelik,              |                          | untains NW 7.5-Minu   | ute Quadrangles |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Involution</li> <li>□ State/Local Wetland Involution</li> <li>□ FEMA/FIR Maps</li> </ul>                  | entory Maps Cite Ma                                      | ey Citation:<br>ap Name: |                       |                 |
| ☐ 100-year Floodplain El  | evation is:  | (Natio                   | nal Geodetic Vertical | Datum of 1929)  |
| Aerial Photographs (  | Name and Date): BING                                     | i, Microsoft Virtual     | Earth 2008            |                 |
| Other Photographs ()  | Name and Date): Grou                                     | ınd Photos; May 20       | 12                    |                 |
| ☐ Previous Determinatio ☐ Applicable/Supporting ☐ Applicable/Supporting   | Case Law Citation:                                       | •                        |                       |                 |
| <ul><li>Applicable/Supporting</li><li>Other Information, Ple</li></ul>  |  | Citation:                |                       |                 |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION   |                       |
|---|-----------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |                       |
| B. District Office and File No: Los Angeles District, File No. Pending  |                       |
| C. Project Location and Background Information: Drainage Feature 6  |                       |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties,   | Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |                       |
| Name of nearest waterbody: Unnamed Wash 6   |                       |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam   |                       |
| HUC Code: 15050306  |                       |
| ✓ Map/Diagram of potential jurisdictional area is available on request  |                       |
| D. Review Performed for Site Evaluation:  |                       |
| Office Determination. Date:   |                       |
| Field Determination. Date: 05/2012  |                       |
|   |                       |
| SECTION II: SUMMARY OF FINDINGS   |                       |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.  |                       |
|   |                       |
| B. CWA Section 404 Determination of Jurisdiction  There Are No  "waters of the U.S." within CWA jurisdiction in the review area.  |                       |
| 1. Waters of the US:  |                       |
|   |                       |
| Linear Feet Width (ft) and/or Acres Limits of Jurisdiction based on:  |                       |
| Limits of Jurisdiction based on.  |                       |
| <ol> <li>Non-Regulated Waters/Wetlands:</li> <li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined not</li> </ol>  | to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this draina considered jurisdictional if it possessed a significant nexus with a downstream TNW not possess a significant nexus with the downstream TNW. | •                     |
| SECTION III: CWA ANALYSIS   |                       |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |                       |
| 1. Identified TNW:  |                       |
| Rationale for TNW determination:  |                       |
| 2. Dationals for conduction that are continued are continued.   |                       |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |                       |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS   |                       |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4                     |
| Drainage Area (sq mi): 0.00934 River Miles from tributary to TNW:   | 30 (or more)          |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW: Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW:  | 30 (or more)          |
| Average Affilial Showfall (III): U Aerial Miles from tributary to TNW:  Aerial Miles from tributary to RPW:   | so (or more)          |
| ☐ Project waters cross or serve as state boundaries. Explain:   |                       |

| eature ID: 6           |  |
|------------------------|--|
| Identify flow route to | TNW:   |
|                        | vithin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography ely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural  | Explain:   |
| Average Width (ft):    | 17.70  |
| Average Depth (ft):    | 1  |
| Average Side Slopes:   | 2:1  |
| ✓ Silts ☐ Sands        | strate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  |
| ☐ Concrete ☐ N         | Muck Other, Explain:   |
| Tributary Condition/S  | tability. Explain: Stable  |
| Presence of Run/Riffl  | e/Pool Complexes. Explain: Not Present   |
| Tributary Geometry:    | Relatively Straight  |
| Tributary Gradient (a  | pproximate average slope): 2%  |
|                        |  |

| (c) Flow:                  |   |            |            |              |            |                  |  |
|----------------------------|---|------------|------------|--------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow                          | Average    | Flow Eve   | ents per ye  | ar:        | 2-5              |  |
| Describe Flow Regime:      | Ephemeral                               | Other Inf  | ormatio    | n on Dura    | tion and   | Volume:          |  |
| Surface Flow is:           | Confined                                | Characte   | ristics:   |              |            |                  |  |
| Subsurface Flow:           | No                                      | Explain:   |            |              |            |                  |  |
| Tributary Has:             |   |            |            |              |            |                  |  |
| ✓ Bed and Banks            |   |            |            |              |            |                  |  |
| ✓ OHWM: OHWM Inc           | licators:                               |            |            |              |            |                  |  |
| ☐ Clear, natural line i    | mpressed on the bank                    | :          | /egetatio  | on matted    | down, b    | ent or absent    |  |
| Changes in soil cha        | racter                                  |            | eaf litte. | r disturbed  | or was     | hed away         |  |
| ☐ Shelving                 |   | □ F        | resence    | of litter a  | nd debri   | S                |  |
| Sediment deposition        | on                                      | <b>~</b> [ | Destruct   | ion of terre | estrial ve | egetation        |  |
| ✓ Sediment sorting         | ✓ Sediment sorting                      |            |            | hange in p   | lant com   | nmunity          |  |
| ☐ Scour                    |   |            | Multiple   | observed     | or predic  | cted flow events |  |
| ☐ Presence of wrack        | line                                    | □ <b>\</b> | Vater st   | aining       |            |                  |  |
| Other (list):              |   |            |            |              |            |                  |  |
| ☐ Discontinuous? Ex        | rplain:                                 |            |            |              |            |                  |  |
| (iii) Chemical Characteris | tics:                                   |            |            |              |            |                  |  |
| Characterize Tributar      | ry:                                     |            |            |              |            |                  |  |
| Identify Specific Pollu    | Identify Specific Pollutants, if known: |            |            |              |            |                  |  |
|                            |   |            |            |              |            |                  |  |
|                            |   |            |            |              |            |                  |  |
|                            |   |            |            |              |            |                  |  |
|                            |   |            |            |              |            |                  |  |

| Feature ID: 6   |
|---|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |
| Riparian Corridor Characteristics:  |
| ☐ Wetland Fringe Characteristics:   |
| Habitat for:  |
| ☐ Federally Listed Species Explain:   |
| ☐ Fish/Spawn Areas Explain:   |
| ☐ Other environmentally -sensitive species  |
| ☐ Aquatic/Wildlife diversity Explain:   |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                          |
| (i) Physical Characteristics:   |
| Wetland Size (ac): Wetland Type, Explain:   |
| Wetland Quality, Explain:   |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |
| Wetland Flow is: Explain:   |
| Surface Flow is: Characteristics:   |
| Subsurface Flow: Explain Findings:  |
| ☐ Wetland Directly Abutting Non-TNW   |
| ☐ Wetland Not Directly Abutting Non-TNW   |
| ☐ Discrete wetland hydrologic connection Explain:   |
| ☐ Ecologcal connection Explain:   |
| ☐ Separated by berm/barrier Explain:  |
| Project Wetlands: River Miles from TNW:   |
| Project Wetlands: Aerial Miles from TNW:  |
| Flow is From:   |
| Approximate Location of Wetland within Floodplain:  |
| (ii) Chemical Characteristics:  |
| Characterize Wetland System:  |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |
| ☐ Riparian Buffer Explain:  |
| ☐ Vegetation type/percent cover. Explain:   |
| Habitat for:  |
| ☐ Federally Listed Species Explain:   |
| ☐ Fish/Spawn Areas Explain:   |
| ☐ Other environmentally-sensitive species Explain:  |
| ☐ Aquatic/Wildlife Diversity Explain:   |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |
| All wetland(s) considered in cumulative analysis:   |
| Wetland acres in total being considered in cumulative analysis:   |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions): |
|   |
|   |
|   |

| . SIGINII ICANII NEAGS DE II  | ERMINATION  |
|---|---|
| 1. Significant nexus findir into TNW. Explain:  | ngs for non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte ardischarges, in combination downstream manmade in possibility of a hydrologic critical habitats were identical does not provide lifecycle drainage does not have motiological integrity of the  | drainage is located more than 100 river miles from the nearest TNW, the Gila River and Gillespie Dam. An analysis of peak yearly discharges and potential flood in with the geomorphology of the Analysis Area, the presence of a significant inpoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the connection between this drainage and the TNW is tenuous. No pollutants or utified within the Analysis Area. Additionally, this unnamed ephemeral drainage support functions, nutrients, or organic carbon to species within the TNW. This more than a speculative or insubstantial effect on the physical, chemical, and/or TNW. Therefore, this unnamed ephemeral drainage does not possess a significant in of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus finding or indirectly into TNW. E.   | ngs for non-RPW and its adjacent wetlands, where the non-RPW flows directly xplain:   |
| 3. Significant nexus findinexplain:   | ngs for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
| 1. TNWs and Adjacent W  | RISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| ☐ TNWs:   |   |
| _   | Linear Feet Width (ft), Or, Acres   |
| ☐ TNWs:   | Linear Feet Width (ft), Or, Acres TNWs: Acres   |
| ☐ TNWs: ☐ Wetlands adjacent to Reserved for Section III D   | Linear Feet Width (ft), Or, Acres TNWs: Acres   |
| □ TNWs: □ Wetlands adjacent to Reserved for Section III D  3. Non-RPWs that flow d □ Non-TNW/non-RPW v with a TNW, and is the   | Linear Feet Width (ft), Or, Acres  TNWs: Acres 2 (RPWs):  irectly or indirectly into TNWs.  vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  |
| □ TNWs: □ Wetlands adjacent to Reserved for Section III D  3. Non-RPWs that flow d □ Non-TNW/non-RPW v with a TNW, and is the Length (Linear Feet):   | Linear Feet Width (ft), Or, Acres  TNWs: Acres 2 (RPWs): irectly or indirectly into TNWs. vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet): Acres:  |
| □ TNWs: □ Wetlands adjacent to Reserved for Section III D  3. Non-RPWs that flow d □ Non-TNW/non-RPW w with a TNW, and is the Length (Linear Feet): Reserved for Section III D  | Linear Feet Width (ft), Or, Acres  TNWs: Acres 2 (RPWs):  irectly or indirectly into TNWs.  vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet): Acres:  |
| ☐ TNWs: ☐ Wetlands adjacent to Reserved for Section III D  3. Non-RPWs that flow d ☐ Non-TNW/non-RPW v with a TNW, and is the Length (Linear Feet): Reserved for Section III D Reserved for Section III D   | Linear Feet Width (ft), Or, Acres  TNWs: Acres  2 (RPWs):  irectly or indirectly into TNWs.  vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet): Acres:  0 4 (Wetlands directly abutting RPWs):  0 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| □ TNWs: □ Wetlands adjacent to Reserved for Section III D  3. Non-RPWs that flow d □ Non-TNW/non-RPW v with a TNW, and is the Length (Linear Feet): Reserved for Section III D Reserved for Section III D  6. Wetlands adjacent to has a significant nexu   | Linear Feet Width (ft), Or, Acres  TNWs: Acres  2 (RPWs):  irectly or indirectly into TNWs.  vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet): Acres:  0 4 (Wetlands directly abutting RPWs):  0 5 (Wetlands adjacent to but not directly abutting RPWs):  non-RPWs that flow directly or indirectly into TNWs.  non-RPWs which, in combination with the tributary and other adjacent wetlands, s with the TNW.   |
| □ TNWs: □ Wetlands adjacent to Reserved for Section III D  3. Non-RPWs that flow d □ Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet): Reserved for Section III D Reserved for Section III D Reserved for Section III D Wetlands adjacent to has a significant nexus Estimated size of juris | Linear Feet Width (ft), Or, Acres  TNWs: Acres  2 (RPWs):  irectly or indirectly into TNWs.  vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.  Width (feet): Acres:  0 4 (Wetlands directly abutting RPWs):  10 5 (Wetlands adjacent to but not directly abutting RPWs):  10 non-RPWs that flow directly or indirectly into TNWs.  11 non-RPWs which, in combination with the tributary and other adjacent wetlands, is with the TNW.  12 sedictional wetland (in acres):   |
| □ TNWs: □ Wetlands adjacent to Reserved for Section III D  3. Non-RPWs that flow d □ Non-TNW/non-RPW v with a TNW, and is the Length (Linear Feet): Reserved for Section III D Reserved for Section III D  6. Wetlands adjacent to □ Wetland adjacent to has a significant nexu                         | Linear Feet   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 6  |                                   |                                      |             |                  |                 |  |
|--|-----------------------------------|--------------------------------------|-------------|------------------|-----------------|--|
| As described in Section 30 possess a significant nexus   |                                   |                                      | eral draina | ge determined th | at it did not   |  |
| Explain finding of Other:  |                                   |                                      |             |                  |                 |  |
| <ul><li>Non-wetland waters</li><li>Other waters</li><li>Wetlands</li></ul>   | 14708.92                          | linear feet (ft),<br>acres<br>acres  | 17.70       | width (ft)       |                 |  |
| SECTION IV: DATA SOURCES   |                                   |                                      |             |                  |                 |  |
| <ul><li>✓ Maps, Plans, Plots or P</li><li>✓ Data Sheets Prepared/</li><li>☐ Office Concurs with</li><li>☐ Office Does Not Co</li></ul>                             | 'Submitted on be<br>n delineation | ehalf of Applicant                   | ıltant: W   | estLand Resource | es, Inc.        |  |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas       |                                      |             |                  |                 |  |
| ✓ US Geological Survey N<br>Silver Reef Mounta   |                                   | d Quad Name:<br>omelik, and Santa R  | osa Mount   | ains NW 7.5-Min  | ute Quadrangles |  |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul>                            | entory Maps                       | oil Survey Citatio<br>Cite Map Name: | n:          |                  |                 |  |
| 100-year Floodplain El   |                                   |                                      | -           |                  | Datum of 1929)  |  |
| <ul><li>✓ Aerial Photographs (</li><li>✓ Other Photographs (</li></ul>   | •                                 | ·                                    |             | th 2008          |                 |  |
| ☐ Previous Determination   | -                                 |                                      |             |                  |                 |  |
| ☐ Applicable/Supporting  |                                   | •                                    |             |                  |                 |  |
| ☐ Applicable/Supporting  |                                   | cure Citation:                       |             |                  |                 |  |
| Other Information, Ple   | ase Specify:                      |                                      |             |                  |                 |  |

| SECTION I: BACKGROUND INFORM   | IATION   |  |                       |
|--|--|--|-----------------------|
| A. Report Completion Date for App  | roved Jurisdictional Determination:  | 07/30/2012                                 |                       |
| B. District Office and File No: Los  | Angeles District, File No. Pending   |  |                       |
| C. Project Location and Background   | Information: Drainage Feature 6  | 0  |                       |
| City, County, State Sif Oidak Dis  | trict, Tohono O'odham Nation, Pima   | and Pinal Counties, A                      | Arizona               |
| Center coordinates of site: Lat. 3   | 32.5073 Long111.9100   | )  |                       |
| Name of nearest waterbody: Unr   | named Wash 60  |  |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | V: Gila River between Powers Butte   | and Gillespie Dam                          |                       |
| ✓ Map/Diagram of potential juriso  | dictional area is available on request   |  |                       |
| D. Review Performed for Site Evalu   | ation:   |  |                       |
| Office Determination. Date:  |  |  |                       |
| Field Determination. Date: 05/2  | 2012   |  |                       |
| SECTION II: SUMMARY OF FINDING   |  |  |                       |
| A. RHA Section 10 Determination  |  |  |                       |
|  | of the U.S." within RHA jurisdiction i   | n the review area.                         |                       |
| B. CWA Section 404 Determinatio  | •  |  |                       |
|  | ie U.S." within CWA jurisdiction in the  | review area.                               |                       |
| 1. Waters of the US:   |  |  |                       |
| Linear Feet  | Width (ft) and/or  | Acres                                      |                       |
| Limits of Jurisdiction based on:   |  | , reies                                    |                       |
|  |  |  |                       |
| <ol> <li>Non-Regulated Waters/Wetl</li> <li>✓ Potentially jurisdictional wa</li> </ol> | ands:<br>ters and/or wetlands were assessed  | and determined not                         | to be jurisdictional: |
| considered jurisdictional if   | does not qualify as a TNW or RPW. T<br>it possessed a significant nexus with a<br>xus with the downstream TNW. |  | •                     |
| SECTION III: CWA ANALYSIS  |  |  |                       |
| A. TNWs AND WETLANDS ADJACE  | NT TO TNWs   |  |                       |
| 1. Identified TNW:   |  |  |                       |
| Rationale for TNW determinat   | ion:   |  |                       |
| 2. Rationale for conclusion tha  | t any wetlands present are "adjacent   | :  |                       |
| B. CHARACTERISTICS OF NON-TN\  | N TRIBUTARY AND ITS ADJACENT WE  | TLANDS                                     |                       |
| TNW Watershed Size (sq mi):  | 49650 Tributaries flow   |  | 4                     |
| Drainage Area (sq mi):   |  | tributary to TNW:                          | 30 (or more)          |
| Average Annual Rainfall (in):  |  | tributary to RPW:                          | 20 (05 55 55 5        |
| Average Annual Snowfall (in):  |  | n tributary to TNW:<br>n tributary to RPW: | 30 (or more)          |
| ☐ Project waters cross or serv   |  |  |                       |

| Identify flow route to                                       |  |                     |                                    |              |               |   |            |   |         |
|--|--|---------------------|------------------------------------|--------------|---------------|---|------------|---|---------|
| Unnamed drainages v<br>suggests the most lik<br>River.       |  | -                   |                                    | -            |               | • |            |   | <br>ρhy |
| Tributary is: Natural  |  | Explain:            |                                    |              |               |   |            |   |         |
| Average Width (ft):  | 12.20  |                     |                                    |              |               |   |            |   |         |
| Average Depth (ft):  | 1  |                     |                                    |              |               |   |            |   |         |
|  |  |                     |                                    |              |               |   |            |   |         |
|  |  | compositio          | on (check al                       | l that apply | <b>/</b> ):   |   |            |   |         |
| Average Side Slopes:  Primary tributary sub  ✓ Silts □ Sands | ostrate o  | Cobbles             | ☐ Bedro                            |              | /):<br>Gravel |   | √egetation | n |         |
| Primary tributary sub  ☑ Silts ☐ Sands                       | ostrate o  | ·                   | ☐ Bedro                            |              |               |   | √egetation | 1 |         |
| Primary tributary sub  Silts Sands                           | ostrate o  | Cobbles<br>Other, I | ☐ Bedro                            |              |               |   | √egetation | 1 |         |
| Primary tributary sub  Silts                                 | ostrate o  Muck Stability  | Cobbles Other, I    | ☐ Bedro                            |              | Gravel        |   | /egetation | 1 |         |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N        | ostrate of the state of the sta | Cobbles Other, I    | Bedro Explain:  Stable s. Explain: | ock 🗹 (      | Gravel        |   | /egetation | 1 |         |

| (c) Flow:                  |                      |           |   |              |            |                  |   |
|----------------------------|----------------------|-----------|---|--------------|------------|------------------|---|
| Tributary Provides for:    | Ephemeral Flow       | Average   | Flow Ev                                   | ents per ye  | ar:        | 2-5              |   |
| Describe Flow Regime:      | Ephemeral            | Other Inf | Other Information on Duration and Volume: |              |            |                  |   |
| Surface Flow is:           | Confined             | Characte  | ristics:                                  |              |            |                  |   |
| Subsurface Flow:           | No                   | Explain:  |   |              |            |                  |   |
| Tributary Has:             |                      |           |   |              |            |                  |   |
| ☐ Bed and Banks            |                      |           |   |              |            |                  |   |
| ✓ OHWM: OHWM Inc           | dicators:            |           |   |              |            |                  |   |
| ☐ Clear, natural line i    | mpressed on the bank | :         | /egetati                                  | on matted    | down, b    | ent or absent    |   |
| ✓ Changes in soil cha      | racter               | □ L       | eaf litte.                                | r disturbed  | l or wasl  | ned away         |   |
| ☐ Shelving                 |                      | □ F       | resence                                   | of litter a  | nd debri   | S                |   |
| ☐ Sediment deposition      | on                   | ✓ [       | Destruct                                  | ion of terre | estrial ve | getation         |   |
| ✓ Sediment sorting         |                      |           | Abrupt c                                  | hange in pl  | ant com    | munity           |   |
| ☐ Scour                    |                      |           | Multiple                                  | observed o   | or predic  | cted flow events | 5 |
| ☐ Presence of wrack        | line                 | _ \       | Vater st                                  | aining       |            |                  |   |
| Other (list):              |                      |           |   |              |            |                  |   |
| ☐ Discontinuous? Ex        | xplain:              |           |   |              |            |                  |   |
| (iii) Chemical Characteris | tics:                |           |   |              |            |                  |   |
| Characterize Tributa       | ry:                  |           |   |              |            |                  |   |
| Identify Specific Poll     |                      |           |   |              |            |                  |   |
|                            |                      |           |   |              |            |                  |   |
|                            |                      |           |   |              |            |                  |   |
|                            |                      |           |   |              |            |                  |   |
|                            |                      |           |   |              |            |                  |   |

| Feature ID: 60  |     |
|---|-----|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |     |
| Riparian Corridor Characteristics:  |     |
| ☐ Wetland Fringe Characteristics:   |     |
| Habitat for:  |     |
| ☐ Federally Listed Species Explain:   |     |
| ☐ Fish/Spawn Areas Explain:   |     |
| ☐ Other environmentally -sensitive species  |     |
| ☐ Aquatic/Wildlife diversity Explain:   |     |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                        |     |
| (i) Physical Characteristics:   |     |
| Wetland Size (ac): Wetland Type, Explain:   |     |
| Wetland Quality, Explain:   |     |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |     |
| Wetland Flow is: Explain:   |     |
| Surface Flow is: Characteristics:   |     |
| Subsurface Flow: Explain Findings:  |     |
| ☐ Wetland Directly Abutting Non-TNW   |     |
| ☐ Wetland Not Directly Abutting Non-TNW   |     |
| ☐ Discrete wetland hydrologic connection Explain:   |     |
| ☐ Ecologcal connection Explain:   |     |
| ☐ Separated by berm/barrier Explain:  |     |
| Project Wetlands: River Miles from TNW:   |     |
| Project Wetlands: Aerial Miles from TNW:  |     |
| Flow is From:   |     |
| Approximate Location of Wetland within Floodplain:  |     |
| (ii) Chemical Characteristics:  |     |
| Characterize Wetland System:  |     |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |     |
| ☐ Riparian Buffer Explain:  |     |
| ☐ Vegetation type/percent cover. Explain:   |     |
| Habitat for:  |     |
| ☐ Federally Listed Species Explain:   |     |
| ☐ Fish/Spawn Areas Explain:   |     |
| Other environmentally-sensitive species Explain:  |     |
| ☐ Aquatic/Wildlife Diversity Explain:   |     |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                       |     |
| All wetland(s) considered in cumulative analysis:   |     |
| Wetland acres in total being considered in cumulative analysis:   |     |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions | s): |
|   |     |
|   |     |
|   |     |

| 1. Significant nexus findir  | ERMINATION   |
|--|--|
| into TNW. Explain:   | ngs for non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| This unnamed ephemeral between Powers Butte an discharges, in combination downstream manmade in possibility of a hydrologic critical habitats were iden does not provide lifecycle drainage does not have molological integrity of the | drainage is located more than 100 river miles from the nearest TNW, the Gila River of Gillespie Dam. An analysis of peak yearly discharges and potential flood in with the geomorphology of the Analysis Area, the presence of a significant inpoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the connection between this drainage and the TNW is tenuous. No pollutants or stified within the Analysis Area. Additionally, this unnamed ephemeral drainage support functions, nutrients, or organic carbon to species within the TNW. This core than a speculative or insubstantial effect on the physical, chemical, and/or TNW. Therefore, this unnamed ephemeral drainage does not possess a significant in of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findir or indirectly into TNW. Ex   | ngs for non-RPW and its adjacent wetlands, where the non-RPW flows directly explain:   |
| 3. Significant nexus findir<br>Explain:  | ngs for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
|  |  |
| DETERMINATIONS OF JUI<br>1. TNWs and Adjacent Wo   | RISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| _  |  |
| TNWs:  | Linear Feet Width (ft), Or, Acres  |
| Wetlands adjacent to   |  |
| Reserved for Section III D   | 2 (RPWs):  |
| 3. Non-RPWs that flow d  | irectly or indirectly into TNWs.   |
| ☐ Non-TNW/non-RPW w with a TNW, and is the   | vaterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.   |
| Length (Linear Feet):  | Width (feet): Acres:   |
| zengen (zmear reet).   | 9 4 (Wetlands directly abutting RPWs):   |
|  | · (treation and early discussion)  |
| Reserved for Section III D   | 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| Reserved for Section III D   |  |
| Reserved for Section III D<br>Reserved for Section III D<br><b>6. Wetlands adjacent to</b>   | non-RPWs which, in combination with the tributary and other adjacent wetlands,   |
| Reserved for Section III D Reserved for Section III D 6. Wetlands adjacent to Wetland adjacent to has a significant nexu   | non-RPWs which, in combination with the tributary and other adjacent wetlands,   |
| Reserved for Section III D Reserved for Section III D 6. Wetlands adjacent to Wetland adjacent to has a significant nexu   | non-RPWs that flow directly or indirectly into TNWs. non-RPWs which, in combination with the tributary and other adjacent wetlands, s with the TNW. sdictional wetland (in acres):   |
| Reserved for Section III D Reserved for Section III D 6. Wetlands adjacent to Wetland adjacent to has a significant nexu Estimated size of juris   | non-RPWs that flow directly or indirectly into TNWs. non-RPWs which, in combination with the tributary and other adjacent wetlands, s with the TNW. sdictional wetland (in acres): sdictional waters.  |
| Reserved for Section III D Reserved for Section III D 6. Wetlands adjacent to has a significant nexu Estimated size of juris 7. Impoundments of juri Demonstration of Juri   | non-RPWs that flow directly or indirectly into TNWs. non-RPWs which, in combination with the tributary and other adjacent wetlands, s with the TNW. sdictional wetland (in acres): sdictional waters. isdiction:   |
| Reserved for Section III D Reserved for Section III D 6. Wetlands adjacent to has a significant nexu Estimated size of juris 7. Impoundments of juri Demonstration of Juri   | non-RPWs that flow directly or indirectly into TNWs. non-RPWs which, in combination with the tributary and other adjacent wetlands, s with the TNW. sdictional wetland (in acres): sdictional waters. isdiction:  UDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  |
| Reserved for Section III D Reserved for Section III D 6. Wetlands adjacent to has a significant nexu Estimated size of juris 7. Impoundments of juri Demonstration of Juris ISOLATED WATERS, INCLUHICH COULD AFFECT INTE               | non-RPWs that flow directly or indirectly into TNWs. non-RPWs which, in combination with the tributary and other adjacent wetlands, s with the TNW. sdictional wetland (in acres): sdictional waters. isdiction:  UDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  |
| Reserved for Section III D Reserved for Section III D  6. Wetlands adjacent to has a significant nexu Estimated size of juris  7. Impoundments of juri Demonstration of JurisOLATED WATERS, INCLUBICH COULD AFFECT INTE                | non-RPWs that flow directly or indirectly into TNWs. non-RPWs which, in combination with the tributary and other adjacent wetlands, s with the TNW. sdictional wetland (in acres): sdictional waters. isdiction:  UDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF ERSTATE COMMERCE   |
| Reserved for Section III D Reserved for Section III D 6. Wetlands adjacent to has a significant nexu Estimated size of juris 7. Impoundments of juri Demonstration of JurisOLATED WATERS, INCLUNICH COULD AFFECT INTE                  | non-RPWs that flow directly or indirectly into TNWs. non-RPWs which, in combination with the tributary and other adjacent wetlands, s with the TNW. sdictional wetland (in acres): sdictional waters. isdiction:  UDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF ERSTATE COMMERCE  Acres:   |
| Reserved for Section III D Reserved for Section III D 6. Wetlands adjacent to has a significant nexu Estimated size of juris 7. Impoundments of juri Demonstration of JurisOLATED WATERS, INCLUNICH COULD AFFECT INTE                  | non-RPWs that flow directly or indirectly into TNWs. non-RPWs which, in combination with the tributary and other adjacent wetlands, s with the TNW. sdictional wetland (in acres): sdictional waters. isdiction:  UDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF ERSTATE COMMERCE  Acres: ACRES: ATERS, INCLUDING WETLANDS:   |

| Feature ID: 60   |   |
|--|---|
| As described in Section 3 possess a significant next   | C1 above, an analysis of this ephemeral drainage determined that it did not us with the nearest TNW.                                    |
| Explain finding of Other:  |   |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 2106.88 linear feet (ft), 12.20 width (ft) acres acres  |
| SECTION IV: DATA SOURCES   |   |
| ✓ Data Sheets Prepared  Office Concurs with  | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. /Submitted on behalf of Applicant h delineation oncur with delineation |
| <ul><li>□ Data Sheets Prepared</li><li>□ Corps Navigable Wate</li><li>□ US Geological Survey</li><li>□ USGS NHD Data</li><li>□ USGS 8 and 12 dig</li></ul> | Hydrologic Atlas  |
|  | Map(s) Scale and Quad Name: cains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                 |
| <ul> <li>USDA Nat'l Res Conse</li> <li>National Wetlands In</li> <li>State/Local Wetland</li> <li>□ FEMA/FIR Maps</li> </ul>                               |   |
| 100-year Floodplain E  |   |
| •  | (Name and Date): BING, Microsoft Virtual Earth 2008 (Name and Date): Ground Photos; May 2012  |
| _  | ons File No. and Date of Response Letter:   |
| ☐ Applicable/Supportin   |   |
| <ul><li>Applicable/Supportin</li><li>Other Information, Pl</li></ul>   |   |

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>     |                      |                                |             |                       |
|--|-------------------|----------------------|--------------------------------|-------------|-----------------------|
| A. Report Completion Date for App  | oroved Jurisdic   | tional Determinatio  | on: 07/30/2                    | 012         |                       |
| B. District Office and File No: Los  | Angeles Distric   | ct, File No. Pending |                                |             |                       |
| C. Project Location and Background   | d Information:    | Drainage Featur      | e 61                           |             |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono    | O'odham Nation, Pi   | ma and Pinal                   | Counties, A | rizona                |
| Center coordinates of site: Lat.   | 32.5073           | Long111.9            | 9100                           |             |                       |
| Name of nearest waterbody: Un  | named Wash 6      | 1                    |                                |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | W: Gila River     | between Powers B     | utte and Gilles                | pie Dam     |                       |
| ✓ Map/Diagram of potential juris   | dictional area i  | s available on requ  | est                            |             |                       |
| D. Review Performed for Site Evalu   | ation:            |                      |                                |             |                       |
| Office Determination. Date:  |                   |                      |                                |             |                       |
| Field Determination. Date: 05/2  | 2012              |                      |                                |             |                       |
| SECTION II: SUMMARY OF FINDING   | GS                |                      |                                |             |                       |
| A. RHA Section 10 Determination  |                   |                      |                                |             |                       |
| There Are No "navigable waters   | s of the U.S." w  | ithin RHA jurisdicti | on in the revie                | ew area.    |                       |
| B. CWA Section 404 Determination   | n of Jurisdiction | on                   |                                |             |                       |
| There Are No "waters of the  | ne U.S." within   | CWA jurisdiction in  | the review a                   | ea.         |                       |
| 1. Waters of the US:   |                   |                      |                                |             |                       |
| Linear Feet  |                   | Width (ft) and/or    |                                | Acres       |                       |
| Limits of Jurisdiction based on:   |                   |                      |                                |             |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional was</li> </ol> |                   | etlands were assess  | sed and deteri                 | mined not t | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne    | it possessed a    | significant nexus w  | •                              | •           | •                     |
| SECTION III: CWA ANALYSIS  |                   |                      |                                |             |                       |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs       |                      |                                |             |                       |
| 1. Identified TNW:   |                   |                      |                                |             |                       |
| Rationale for TNW determinat   | ion:              |                      |                                |             |                       |
| 2. Rationale for conclusion tha  | t any wetlands    | s present are "adjad | cent":                         |             |                       |
| B. CHARACTERISTICS OF NON-TN   | N TRIBUTARY       | AND ITS ADJACENT     | WETLANDS                       |             |                       |
| TNW Watershed Size (sq mi):  | 49650             | Tributaries fl       |                                |             | 4                     |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                   | 0.00185<br>8.5    |                      | rom tributary<br>rom tributary |             | 30 (or more)          |
| Average Annual Snowfall (in):  | 0.5               |                      | from tributary                 |             | 30 (or more)          |
| 3  |                   |                      | from tributary                 |             |                       |
| ☐ Project waters cross or serv   | ve as state bou   | ndaries. Explain:    |                                |             |                       |

| Identify flow route to<br>Unnamed drainages                                  |                                   | e Analysi                      | s Area are ι  | ultimately tribut | ary to the Sant | a Rosa Wasl | h. Topography |
|--|-----------------------------------|--------------------------------|---------------|-------------------|-----------------|-------------|---------------|
| suggests the most lik<br>River.  | ely route                         | of poter                       | itial flow is | Santa Rosa Wa     | sh to the Santa | Cruz Wash   | to the Gila   |
| Tributary is: Natural  | E                                 | Explain:                       |               |                   |                 |             |               |
| Average Width (ft):  | 20.39                             |                                |               |                   |                 |             |               |
| Average Depth (ft):  | 1                                 |                                |               |                   |                 |             |               |
|  |                                   |                                |               |                   |                 |             |               |
|  |                                   | mpositio                       | on (check al  | l that apply):    |                 |             |               |
| Average Side Slopes:  Primary tributary sub  Sands                           | ostrate co                        | mpositio<br>obbles             | on (check al  |                   | I □ Vegeta      | tion        |               |
| Primary tributary sub  ✓ Silts ☐ Sands                                       | ostrate co                        | •                              | ☐ Bedro       |                   | I □ Vegeta      | tion        |               |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                        | ostrate co<br>s   C  Muck         | obbles<br>Other, E             | ☐ Bedro       |                   | I □ Vegeta      | tion        |               |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Fributary Condition/S | ostrate co  G C  Muck  Stability. | obbles<br>Other, E<br>Explain: | ☐ Bedro       |                   | I □ Vegeta      | tion        |               |
| Primary tributary sub  ✓ Silts ☐ Sands                                       | ostrate co  Muck  Stability.      | obbles<br>Other, E<br>Explain: | Bedro         | ock 🗹 Grave       | I □ Vegeta      | tion        |               |

| (c) Flow:                  |                      |            |           |             |            |                  |  |
|----------------------------|----------------------|------------|-----------|-------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow       | Average    | Flow Eve  | ents per ye | ear:       | 2-5              |  |
| Describe Flow Regime:      | Ephemeral            | Other Inf  | ormatio   | n on Dura   | tion and   | Volume:          |  |
| Surface Flow is:           | Confined             | Characte   | ristics:  |             |            |                  |  |
| Subsurface Flow:           | No                   | Explain:   |           |             |            |                  |  |
| Tributary Has:             |                      |            |           |             |            |                  |  |
| ☐ Bed and Banks            |                      |            |           |             |            |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:            |            |           |             |            |                  |  |
| ☐ Clear, natural line i    | mpressed on the bank | · □ \      | /egetatio | on matted   | down, b    | ent or absent    |  |
| ✓ Changes in soil cha      | racter               |            | eaf litte | r disturbe  | d or was   | hed away         |  |
| ☐ Shelving                 |                      | □ P        | resence   | of litter a | nd debri   | S                |  |
| ☐ Sediment deposition      | on                   | ✓ [        | Destructi | ion of terr | estrial ve | egetation        |  |
| ✓ Sediment sorting         |                      |            | Abrupt cl | hange in p  | lant con   | nmunity          |  |
| ☐ Scour                    |                      |            | Multiple  | observed    | or predi   | cted flow events |  |
| ☐ Presence of wrack        | line                 | □ <b>\</b> | Vater sta | aining      |            |                  |  |
| Other (list):              |                      |            |           |             |            |                  |  |
| ☐ Discontinuous? Ex        | xplain:              |            |           |             |            |                  |  |
| (iii) Chemical Characteris | tics:                |            |           |             |            |                  |  |
| Characterize Tributa       | ry:                  |            |           |             |            |                  |  |
| Identify Specific Poll     | •                    |            |           |             |            |                  |  |
| , ,                        | •                    |            |           |             |            |                  |  |
|                            |                      |            |           |             |            |                  |  |
|                            |                      |            |           |             |            |                  |  |
|                            |                      |            |           |             |            |                  |  |

| Feature ID: 61   |            |
|--|------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |            |
| Riparian Corridor Characteristics:   |            |
| ☐ Wetland Fringe Characteristics:  |            |
| Habitat for:   |            |
| ☐ Federally Listed Species Explain:  |            |
| ☐ Fish/Spawn Areas Explain:  |            |
| ☐ Other environmentally -sensitive species   |            |
| ☐ Aquatic/Wildlife diversity Explain:  |            |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                       |            |
| (i) Physical Characteristics:  |            |
| Wetland Size (ac): Wetland Type, Explain:  |            |
| Wetland Quality, Explain:  |            |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |            |
| Wetland Flow is: Explain:  |            |
| Surface Flow is: Characteristics:  |            |
| Subsurface Flow: Explain Findings:   |            |
| ☐ Wetland Directly Abutting Non-TNW  |            |
| ☐ Wetland Not Directly Abutting Non-TNW  |            |
| ☐ Discrete wetland hydrologic connection Explain:  |            |
| ☐ Ecologcal connection Explain:  |            |
| ☐ Separated by berm/barrier Explain:   |            |
| Project Wetlands: River Miles from TNW:  |            |
| Project Wetlands: Aerial Miles from TNW:   |            |
| Flow is From:  |            |
| Approximate Location of Wetland within Floodplain:   |            |
| (ii) Chemical Characteristics:   |            |
| Characterize Wetland System:   |            |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |            |
|  |            |
| <ul><li>☐ Riparian Buffer Explain:</li><li>☐ Vegetation type/percent cover. Explain:</li></ul>                     |            |
| Habitat for:   |            |
| Federally Listed Species Explain:  |            |
| ☐ Fish/Spawn Areas Explain:  |            |
| ☐ Other environmentally-sensitive species Explain:   |            |
| ☐ Aquatic/Wildlife Diversity Explain:  |            |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                      |            |
|  |            |
| All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis: |            |
|  |            |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fu       | inctions): |
|  |            |
|  |            |

| Feature ID: 61   | VIIC DETERMINATION  |
|--|---|
|  | KUS DETERMINATION   |
| into TNW. Expla  | cus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly in:   |
| between Powers discharges, in cordownstream mar possibility of a hycritical habitats widoes not provide drainage does no biological integrit   | themeral drainage is located more than 100 river miles from the nearest TNW, the Gila River Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood imbination with the geomorphology of the Analysis Area, the presence of a significant imade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the drologic connection between this drainage and the TNW is tenuous. No pollutants or were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage lifecycle support functions, nutrients, or organic carbon to species within the TNW. This is thave more than a speculative or insubstantial effect on the physical, chemical, and/or try of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant NW reach of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nex or indirectly into  | cus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly TNW. Explain:  |
| 3. Significant nex Explain:  | kus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| . DETERMINATION  | NS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| 1. TNWs and Adj  | ·   |
| ☐ TNWs: ☐ Wetlands ad  | •   |
| ☐ TNWs: ☐ Wetlands ad Reserved for Sect  | acent Wetlands  Linear Feet Width (ft), Or, Acres  jacent to TNWs: Acres  |
| ☐ TNWs: ☐ Wetlands ad Reserved for Sect  3. Non-RPWs tha ☐ Non-TNW/no with a TNW, a  | Linear Feet Width (ft), Or, Acres  jacent to TNWs: Acres  tion III D 2 (RPWs):  at flow directly or indirectly into TNWs.  n-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  |
| ☐ TNWs: ☐ Wetlands ad Reserved for Sect  3. Non-RPWs tha ☐ Non-TNW/no with a TNW, a Length (Linea  | Linear Feet Width (ft), Or, Acres  jacent to TNWs: Acres  tion III D 2 (RPWs):  at flow directly or indirectly into TNWs.  In-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  In Feet): Width (feet): Acres:   |
| ☐ TNWs: ☐ Wetlands ad Reserved for Sect  3. Non-RPWs that ☐ Non-TNW/no with a TNW, a Length (Linea Reserved for Sect   | Linear Feet Width (ft), Or, Acres  jacent to TNWs: Acres  tion III D 2 (RPWs):  at flow directly or indirectly into TNWs.  In-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  In Feet): Width (feet): Acres:  ction III D 4 (Wetlands directly abutting RPWs):   |
| ☐ TNWs: ☐ Wetlands ad Reserved for Sect  3. Non-RPWs that ☐ Non-TNW/no with a TNW, a Length (Linea Reserved for Sect Reserved for Sect   | Linear Feet Width (ft), Or, Acres  jacent to TNWs: Acres  tion III D 2 (RPWs):  at flow directly or indirectly into TNWs.  In-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  In Feet): Width (feet): Acres:   |
| □ TNWs: □ Wetlands add Reserved for Sect  3. Non-RPWs that □ Non-TNW/no with a TNW, at Length (Lineat Reserved for Sect Reserved for Sect 6. Wetlands add □ Wetland add add ■ Wetland add                  | Linear Feet Width (ft), Or, Acres  jacent to TNWs: Acres  tion III D 2 (RPWs):  at flow directly or indirectly into TNWs.  n-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  r Feet): Width (feet): Acres:  ction III D 4 (Wetlands directly abutting RPWs):  ction III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| □ TNWs: □ Wetlands add Reserved for Sect  3. Non-RPWs that □ Non-TNW/no with a TNW, at Length (Lineat Reserved for Sect Reserved for Sect 6. Wetlands adjat has a signification                            | Linear Feet Width (ft), Or, Acres  jacent to TNWs: Acres  tion III D 2 (RPWs):  at flow directly or indirectly into TNWs.  In-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  In Feet): Width (feet): Acres:  ction III D 4 (Wetlands directly abutting RPWs):  ction III D 5 (Wetlands adjacent to but not directly abutting RPWs):  acent to non-RPWs that flow directly or indirectly into TNWs.  |
| □ TNWs: □ Wetlands add Reserved for Sect  3. Non-RPWs that □ Non-TNW/no with a TNW, at Length (Lineat Reserved for Sect Reserved for Sect 6. Wetlands adjat has a significat Estimated size                | Linear Feet Width (ft), Or, Acres  jacent to TNWs: Acres  tion III D 2 (RPWs):  at flow directly or indirectly into TNWs.  n-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  r Feet): Width (feet): Acres:  ction III D 4 (Wetlands directly abutting RPWs):  ction III D 5 (Wetlands adjacent to but not directly abutting RPWs):  acent to non-RPWs that flow directly or indirectly into TNWs.  acent to non-RPWs which, in combination with the tributary and other adjacent wetlands, ant nexus with the TNW.   |
| □ TNWs: □ Wetlands add Reserved for Sect  3. Non-RPWs that □ Non-TNW/no with a TNW, a Length (Linea Reserved for Sect Reserved for Sect 6. Wetlands adjate has a significate Estimated siz  7. Impoundment | Linear Feet Width (ft), Or, Acres  jacent to TNWs: Acres  tion III D 2 (RPWs):  at flow directly or indirectly into TNWs.  an-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  r Feet): Width (feet): Acres:  ction III D 4 (Wetlands directly abutting RPWs):  ction III D 5 (Wetlands adjacent to but not directly abutting RPWs):  accent to non-RPWs that flow directly or indirectly into TNWs.  accent to non-RPWs which, in combination with the tributary and other adjacent wetlands, ant nexus with the TNW.  te of jurisdictional wetland (in acres):  |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW.  Explain finding of Other:  Non-wetland waters Other waters Wetlands SECTION IV: DATA SOURCES Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: Office Concurs with delineation Office Concurs with delineation Office Does Not Concur with delineation Data Sheets Prepared by the Corps Corps Navigable Water Study US Geological Survey Hydrologic Atlas USGS NHD Data USGS 8 and 12 digit HUC Map  USG Seological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles USDA Nat'l Res Conservation Service Soil Survey Citation: National Wetlands Inventory Maps EEMA/FIR Maps UO-year Floodplain Elevation is: Marial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 Other Photographs (Name and Date): Ground Photos; May 2012 Previous Determinations File No. and Date of Response Letter: Applicable/Supporting Case Law Citation: Other Information, Please Specify: | Feature ID: 61  |  |
|---|---|--|
| ✓ Non-wetland waters  |   |  |
| Other waters  Wetlands  SECTION IV: DATA SOURCES  Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  Data Sheets Prepared/Submitted on behalf of Applicant  Office Concurs with delineation  Office Does Not Concur with delineation  Data Sheets Prepared by the Corps  Corps Navigable Water Study  US Geological Survey Hydrologic Atlas  USGS NHD Data  USGS 8 and 12 digit HUC Map  US Geological Survey Map(s) Scale and Quad Name:  Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  USDA Nat'l Res Conservation Service Soil Survey Citation:  National Wetlands Inventory Maps Cite Map Name:  State/Local Wetland Inventory Maps  FEMA/FIR Maps  100-year Floodplain Elevation is:  (National Geodetic Vertical Datum of 1929)  Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008  Other Photographs (Name and Date): Ground Photos; May 2012  Previous Determinations File No. and Date of Response Letter:  Applicable/Supporting Case Law Citation:  Applicable/Supporting Scientific Literature Citation:                 | Explain finding of Other:   |  |
| Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  □ Data Sheets Prepared/Submitted on behalf of Applicant □ Office Concurs with delineation □ Office Does Not Concur with delineation □ Data Sheets Prepared by the Corps □ Corps Navigable Water Study □ US Geological Survey Hydrologic Atlas □ USGS NHD Data □ USGS 8 and 12 digit HUC Map □ US Geological Survey Map(s) Scale and Quad Name: □ Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles □ USDA Nat'l Res Conservation Service Soil Survey Citation: □ National Wetlands Inventory Maps Cite Map Name: □ State/Local Wetland Inventory Maps □ HEMA/FIR Maps □ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) □ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 □ Other Photographs (Name and Date): Ground Photos; May 2012 □ Previous Determinations File No. and Date of Response Letter: □ Applicable/Supporting Case Law Citation: □ Applicable/Supporting Scientific Literature Citation:   | ☐ Other waters  | acres  |
| Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  □ Data Sheets Prepared/Submitted on behalf of Applicant □ Office Concurs with delineation □ Office Does Not Concur with delineation □ Data Sheets Prepared by the Corps □ Corps Navigable Water Study □ US Geological Survey Hydrologic Atlas □ USGS NHD Data □ USGS 8 and 12 digit HUC Map □ US Geological Survey Map(s) Scale and Quad Name: □ Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles □ USDA Nat'l Res Conservation Service Soil Survey Citation: □ National Wetlands Inventory Maps Cite Map Name: □ State/Local Wetland Inventory Maps □ HEMA/FIR Maps □ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) □ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 □ Other Photographs (Name and Date): Ground Photos; May 2012 □ Previous Determinations File No. and Date of Response Letter: □ Applicable/Supporting Case Law Citation: □ Applicable/Supporting Scientific Literature Citation:   | SECTION IV. DATA SOURCES  |  |
| <ul> <li>□ Corps Navigable Water Study</li> <li>□ US Geological Survey Hydrologic Atlas</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit HUC Map</li> <li>☑ US Geological Survey Map(s) Scale and Quad Name:         Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles</li> <li>□ USDA Nat'l Res Conservation Service Soil Survey Citation:         National Wetlands Inventory Maps Cite Map Name:         State/Local Wetland Inventory Maps         FEMA/FIR Maps         □ 100-year Floodplain Elevation is:</li></ul>   | <ul><li>✓ Maps, Plans, Plots or P</li><li>✓ Data Sheets Prepared/</li><li>☐ Office Concurs with</li></ul> | Submitted on behalf of Applicant delineation           |
| Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  USDA Nat'l Res Conservation Service Soil Survey Citation:  National Wetlands Inventory Maps Cite Map Name:  State/Local Wetland Inventory Maps  FEMA/FIR Maps  100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)  Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008  Other Photographs (Name and Date): Ground Photos; May 2012  Previous Determinations File No. and Date of Response Letter:  Applicable/Supporting Case Law Citation:  Applicable/Supporting Scientific Literature Citation:  | <ul><li>☐ Corps Navigable Water</li><li>☐ US Geological Survey F</li><li>☐ USGS NHD Data</li></ul>        | r Study<br>Hydrologic Atlas                            |
| <ul> <li>National Wetlands Inventory Maps</li> <li>State/Local Wetland Inventory Maps</li> <li>FEMA/FIR Maps</li> <li>100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)</li> <li>✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008</li> <li>✓ Other Photographs (Name and Date): Ground Photos; May 2012</li> <li>Previous Determinations File No. and Date of Response Letter:</li> <li>Applicable/Supporting Case Law Citation:</li> <li>Applicable/Supporting Scientific Literature Citation:</li> </ul>   | <del> </del>  |  |
| <ul> <li>□ 100-year Floodplain Elevation is:</li></ul>  | ☐ National Wetlands Invo  | entory Maps Cite Map Name:                             |
| <ul> <li>✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008</li> <li>✓ Other Photographs (Name and Date): Ground Photos; May 2012</li> <li>☐ Previous Determinations File No. and Date of Response Letter:</li> <li>☐ Applicable/Supporting Case Law Citation:</li> <li>☐ Applicable/Supporting Scientific Literature Citation:</li> </ul>  |   | evation is: (National Geodetic Vertical Datum of 1929) |
| <ul> <li>□ Previous Determinations File No. and Date of Response Letter:</li> <li>□ Applicable/Supporting Case Law Citation:</li> <li>□ Applicable/Supporting Scientific Literature Citation:</li> </ul>  |   | ·  |
| <ul> <li>□ Applicable/Supporting Case Law Citation:</li> <li>□ Applicable/Supporting Scientific Literature Citation:</li> </ul>   | ✓ Other Photographs (   | Name and Date): Ground Photos; May 2012                |
| Applicable/Supporting Scientific Literature Citation:   |   |  |
|   |   |  |
|   |   |  |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>     |                     |                                      |             |                       |
|---|-------------------|---------------------|--------------------------------------|-------------|-----------------------|
| A. Report Completion Date for App   | oroved Jurisdic   | tional Determinat   | ion: 07/30/2                         | 2012        |                       |
| B. District Office and File No: Los   | Angeles Distric   | ct, File No. Pendin | g                                    |             |                       |
| C. Project Location and Background  | d Information:    | Drainage Featu      | ıre 62                               |             |                       |
| City, County, State Sif Oidak Dis   | strict, Tohono    | O'odham Nation,     | Pima and Pinal                       | Counties, A | Arizona               |
| Center coordinates of site: Lat.  | 32.5073           | Long111             | 9100                                 |             |                       |
| Name of nearest waterbody: Un   | named Wash 6      | 52                  |                                      |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River     | between Powers      | Butte and Gille                      | spie Dam    |                       |
| ✓ Map/Diagram of potential juris  | dictional area i  | is available on req | juest                                |             |                       |
| D. Review Performed for Site Evalu  | ation:            |                     |                                      |             |                       |
| Office Determination. Date:   |                   |                     |                                      |             |                       |
| Field Determination. Date: 05/2   | 2012              |                     |                                      |             |                       |
| SECTION II: SUMMARY OF FINDING  | GS                |                     |                                      |             |                       |
| A. RHA Section 10 Determination   |                   |                     |                                      |             |                       |
| There Are No "navigable waters  | s of the U.S." w  | vithin RHA jurisdic | tion in the revi                     | ew area.    |                       |
| B. CWA Section 404 Determination  | n of Jurisdiction | on                  |                                      |             |                       |
| There Are No "waters of the   | ne U.S." within   | CWA jurisdiction    | in the review a                      | rea.        |                       |
| 1. Waters of the US:  |                   |                     |                                      |             |                       |
| Linear Feet   |                   | Width (ft) and/o    | or                                   | Acres       |                       |
| Limits of Jurisdiction based on:  |                   |                     |                                      |             |                       |
| 2. Non-Regulated Waters/Wet ✓ Potentially jurisdictional wa                         |                   | etlands were asse   | essed and deter                      | mined not t | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a    | significant nexus   | with a downstr                       | •           | •                     |
| SECTION III: CWA ANALYSIS   |                   |                     |                                      |             |                       |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs       |                     |                                      |             |                       |
| 1. Identified TNW:  |                   |                     |                                      |             |                       |
| Rationale for TNW determinat  | ion:              |                     |                                      |             |                       |
| 2. Rationale for conclusion tha   | t any wetland     | s present are "adj  | acent":                              |             |                       |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY       | AND ITS ADJACEN     | T WETLANDS                           |             |                       |
| TNW Watershed Size (sq mi):   | 49650             |                     | flow to TNW:                         |             | 4                     |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                | 0.00055<br>8.5    |                     | s from tributary<br>s from tributary |             | 30 (or more)          |
| Average Annual Snowfall (in):   | 0.5               |                     | s from tributary                     |             | 30 (or more)          |
| 3   |                   |                     | s from tributar                      | •           |                       |
| ☐ Project waters cross or serv  | ve as state bou   | ndaries. Explai     | n:                                   |             |                       |

| Identify flow route to   | TNW:  |  |                   |       |                      |   |  |
|--|---|--|-------------------|-------|----------------------|---|--|
| Unnamed drainages s<br>suggests the most lik<br>River.                       | within the Ar   | •  | •                 |       |                      |   |  |
| Tributary is: Natural  | Expl  | ain:   |                   |       |                      |   |  |
| Average Width (ft):  | 10.76   |  |                   |       |                      |   |  |
| Average Depth (ft):  | 1   |  |                   |       |                      |   |  |
| Average Side Slopes:   | 2:1   |  |                   |       |                      |   |  |
| Primary tributary sub  | strate comp   | osition (check a                             | I that apply):    |       |                      |   |  |
| ✓ Silts ☐ Sands  | s □ Cobb  | oles 🗆 Bedro                                 |                   | vel [ | $\square$ Vegetation | n |  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M   | s □ Cobb  | her, Explain:                                |                   | vel [ | ☐ Vegetation         | n |  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/S                        | s □ Cobb<br>Muck Otl<br>Stability. Expl                             | her, Explain:  Stable                        | ock <b>⊻</b> Grav |       | ☐ Vegetation         | 1 |  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ N  Tributary Condition/S  Presence of Run/Riffl | S Cobb<br>Muck Otl<br>Stability. Expl                               | her, Explain: lain: Stable plexes. Explain:  |                   |       | ☐ Vegetation         | 1 |  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/S                        | S Cobb<br>Muck Otl<br>Stability. Expl<br>le/Pool Comp<br>Relatively | her, Explain:  lain: Stable blexes. Explain: | ock <b>⊻</b> Grav |       | □ Vegetation         | 1 |  |

| (c) Flow:                  |                      |                                   |                                    |              |            |                  |   |
|----------------------------|----------------------|-----------------------------------|------------------------------------|--------------|------------|------------------|---|
| Tributary Provides for:    | Ephemeral Flow       | Average Flow Events per year: 2-5 |                                    |              |            | 2-5              |   |
| Describe Flow Regime:      | Ephemeral            | Other Inf                         | ormatic                            | n on Durat   | ion and    | Volume:          |   |
| Surface Flow is:           | Confined             | Characte                          | ristics:                           |              |            |                  |   |
| Subsurface Flow:           | No                   | Explain:                          |                                    |              |            |                  |   |
| Tributary Has:             |                      |                                   |                                    |              |            |                  |   |
| ☐ Bed and Banks            |                      |                                   |                                    |              |            |                  |   |
| ✓ OHWM: OHWM Inc           | dicators:            |                                   |                                    |              |            |                  |   |
| ☐ Clear, natural line i    | mpressed on the bank | :                                 | /egetati                           | on matted    | down, b    | ent or absent    |   |
| ✓ Changes in soil cha      | racter               | □ L                               | eaf litte.                         | r disturbed  | l or wasl  | ned away         |   |
| ☐ Shelving                 |                      | □ F                               | resence                            | of litter a  | nd debri   | S                |   |
| ☐ Sediment deposition      | on                   | ✓ [                               | Destruct                           | ion of terre | estrial ve | getation         |   |
| ✓ Sediment sorting         |                      |                                   | ☐ Abrupt change in plant community |              |            |                  |   |
| ☐ Scour                    |                      |                                   | Multiple                           | observed o   | or predic  | cted flow events | 5 |
| ☐ Presence of wrack        | line                 | _ \                               | Vater st                           | aining       |            |                  |   |
| Other (list):              |                      |                                   |                                    |              |            |                  |   |
| ☐ Discontinuous? Ex        | xplain:              |                                   |                                    |              |            |                  |   |
| (iii) Chemical Characteris | tics:                |                                   |                                    |              |            |                  |   |
| Characterize Tributa       | ry:                  |                                   |                                    |              |            |                  |   |
| Identify Specific Poll     |                      |                                   |                                    |              |            |                  |   |
|                            |                      |                                   |                                    |              |            |                  |   |
|                            |                      |                                   |                                    |              |            |                  |   |
|                            |                      |                                   |                                    |              |            |                  |   |
|                            |                      |                                   |                                    |              |            |                  |   |

| Feature ID: 62   |            |
|--|------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                    |            |
| Riparian Corridor Characteristics:   |            |
| ☐ Wetland Fringe Characteristics:  |            |
| Habitat for:   |            |
| ☐ Federally Listed Species Explain:  |            |
| ☐ Fish/Spawn Areas Explain:  |            |
| ☐ Other environmentally -sensitive species   |            |
| ☐ Aquatic/Wildlife diversity Explain:  |            |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                 |            |
| (i) Physical Characteristics:  |            |
| Wetland Size (ac): Wetland Type, Explain:  |            |
| Wetland Quality, Explain:  |            |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |            |
| Wetland Flow is: Explain:  |            |
| Surface Flow is: Characteristics:  |            |
| Subsurface Flow: Explain Findings:   |            |
| ☐ Wetland Directly Abutting Non-TNW  |            |
| ☐ Wetland Not Directly Abutting Non-TNW  |            |
| ☐ Discrete wetland hydrologic connection Explain:  |            |
| ☐ Ecologcal connection Explain:  |            |
| ☐ Separated by berm/barrier Explain:   |            |
| Project Wetlands: River Miles from TNW:  |            |
| Project Wetlands: Aerial Miles from TNW:   |            |
| Flow is From:  |            |
| Approximate Location of Wetland within Floodplain:   |            |
| (ii) Chemical Characteristics:   |            |
| Characterize Wetland System:   |            |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                   |            |
|  |            |
| Riparian Buffer Explain:   |            |
| ☐ Vegetation type/percent cover. Explain: Habitat for:   |            |
| Federally Listed Species Explain:  |            |
| ☐ Fish/Spawn Areas Explain:  |            |
| ☐ Other environmentally-sensitive species Explain:   |            |
| ☐ Aquatic/Wildlife Diversity Explain:  |            |
|  |            |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                |            |
| All wetland(s) considered in cumulative analysis:  |            |
| Wetland acres in total being considered in cumulative analysis:  |            |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fu | inctions): |
|  |            |
|  |            |

| C. SIGNIFICANT NEXUS DETERMINATION  |   |
|---|---|
| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directinto TNW. Explain:  | tly or indirectly   |
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potent discharges, in combination with the geomorphology of the Analysis Area, the presence of downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNV possibility of a hydrologic connection between this drainage and the TNW is tenuous. No critical habitats were identified within the Analysis Area. Additionally, this unnamed ephe does not provide lifecycle support functions, nutrients, or organic carbon to species within drainage does not have more than a speculative or insubstantial effect on the physical, chological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not ponexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. | ntial flood a significant V, suggests that the pollutants or meral drainage n the TNW. This temical, and/or |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPV or indirectly into TNW. Explain:   | V flows directly  |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly at Explain:  | out the RPW.  |
| D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS AF  | RE  |
| 1. TNWs and Adjacent Wetlands   |   |
| ☐ TNWs: Linear Feet Width (ft), Or,   | Acres   |
| Wetlands adjacent to TNWs: Acres  |   |
| Reserved for Section III D 2 (RPWs):  |   |
| 3. Non-RPWs that flow directly or indirectly into TNWs.   |   |
| ☐ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a swith a TNW, and is therfore jurisdictional.   | signficant nexus  |
| Length (Linear Feet): Width (feet): Acres:  |   |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):   |   |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |   |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |   |
| ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other ach has a significant nexus with the TNW.   | djacent wetlands,   |
| Estimated size of jurisdictional wetland (in acres):  |   |
| 7. Impoundments of jurisdictional waters.   |   |
| Demonstration of Jurisdiction:  |   |
| . ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DES VHICH COULD AFFECT INTERSTATE COMMERCE  | TRUCTION OF   |
| Supporting rationale: Length (linear feet): Acres:  |   |
| F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:   |   |
| Non-Jurisdictional Waters:  |   |
| Waters do not meet the "Significant Nexus" standard, where such a finding is required for   | or jurisdiction   |

| Feature ID: 62  |  |     |
|---|--|-----|
| As described in Section 30 possess a significant nexu   | 1 above, an analysis of this ephemeral drainage determined that it did not swith the nearest TNW.  |     |
| Explain finding of Other:   |  |     |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>  | 1426.24 linear feet (ft), 10.76 width (ft) acres acres   |     |
| SECTION IV: DATA SOURCES  |  |     |
| ✓ Data Sheets Prepared,  ☐ Office Concurs with  | lat Submitted by Applicant/Consultant: WestLand Resources, Inc.  Submitted on behalf of Applicant  delineation  ncur with delineation  |     |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey H</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul>  | r Study<br>Hydrologic Atlas  |     |
|   | Map(s) Scale and Quad Name:<br>ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrang   | les |
| ☐ National Wetlands Inv☐ State/Local Wetland In   |  |     |
| ☐ 100-year Floodplain El  | evation is: (National Geodetic Vertical Datum of 192   | 19) |
|   | Name and Date): BING, Microsoft Virtual Earth 2008   |     |
| Other Photographs (   | Name and Date): Ground Photos; May 2012  |     |
| _   | ns File No. and Date of Response Letter:   |     |
|   |  |     |
|   |  |     |
| USGS 8 and 12 dig  US Geological Survey I Silver Reef Mount:  USDA Nat'l Res Conser National Wetlands Inv State/Local Wetland Ir FEMA/FIR Maps  100-year Floodplain El ✓ Aerial Photographs ( ✓ Other Photographs ( | Map(s) Scale and Quad Name:  ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrang vation Service Soil Survey Citation: entory Maps Cite Map Name: evation is:  (National Geodetic Vertical Datum of 192 Name and Date): BING, Microsoft Virtual Earth 2008 Name and Date): Ground Photos; May 2012  ns File No. and Date of Response Letter: Case Law Citation: Scientific Literature Citation: |     |

| SECTION I: BACKGROUND INFORMATION  | <u>N</u>                                       |                                      |
|--|--|--------------------------------------|
| A. Report Completion Date for Approve  | Jurisdictional Determination: 07               | 7/30/2012                            |
| B. District Office and File No: Los Ange   | es District, File No. Pending                  |                                      |
| C. Project Location and Background Info  | rmation: <b>Drainage Feature 63</b>            |                                      |
| City, County, State Sif Oidak District,  | Tohono O'odham Nation, Pima and                | Pinal Counties, Arizona              |
| Center coordinates of site: Lat. 32.50   | 73 Long111.9100                                |                                      |
| Name of nearest waterbody: Unname  | d Wash 63                                      |                                      |
| Name of nearest downstream TNW:  | ila River between Powers Butte and             | d Gillespie Dam                      |
| HUC Code: 15050306   |  |                                      |
| ✓ Map/Diagram of potential jurisdiction  | nal area is available on request               |                                      |
| D. Review Performed for Site Evaluation  | :  |                                      |
| Office Determination. Date:  |  |                                      |
| Field Determination. Date: 05/2012   |  |                                      |
| SECTION II: SUMMARY OF FINDINGS  |  |                                      |
| A. RHA Section 10 Determination of Ju  | risdiction                                     |                                      |
| There Are No "navigable waters of the  | e U.S." within RHA jurisdiction in th          | e review area.                       |
| B. CWA Section 404 Determination of  | urisdiction                                    |                                      |
| There Are No "waters of the U.S  | ." within CWA jurisdiction in the rev          | view area.                           |
| 1. Waters of the US:   |  |                                      |
| Linear Feet  | Width (ft) and/or                              | Acres                                |
| Limits of Jurisdiction based on:   |  |                                      |
| <ol> <li>Non-Regulated Waters/Wetlands</li> <li>✓ Potentially jurisdictional waters</li> </ol> |  | determined not to be jurisdictional: |
| Drainage is a small, relic wash wunder the 2008 Guidance.                                      | th no hydrologic function, generally           | y not considered jurisdictional      |
| SECTION III: CWA ANALYSIS  |  |                                      |
| A. TNWs AND WETLANDS ADJACENT T  | O TNWs   |                                      |
| 1. Identified TNW:   |  |                                      |
| Rationale for TNW determination:   |  |                                      |
| 2. Rationale for conclusion that any   | wetlands present are "adjacent":               |                                      |
| B. CHARACTERISTICS OF NON-TNW TR   | BUTARY AND ITS ADJACENT WETLA                  | NDS                                  |
| TNW Watershed Size (sq mi): 496  |  |                                      |
| 0 (1)  | River Miles from trib                          | -                                    |
| Average Annual Rainfall (in): 8.5  | River Miles from trib                          | -                                    |
| Average Annual Snowfall (in): 0  | Aerial Miles from tri<br>Aerial Miles from tri |                                      |
| ☐ Project waters cross or serve as   |  | ,                                    |

| ature ID: 63  |                 |   |
|---|-----------------|---|
| Identify flow route to  | TNW:            |   |
| •   | . Topography su | owngradient flow. Analysis Area is ultimately within the watershed of uggests the most likely route of potential flow is Santa Rosa Wash to er. |
| Tributary is: Natural   | Explain         | :   |
| Average Width (ft):   | 19.11           |   |
| Average Depth (ft):   | 1               |   |
| Average Side Slopes:  | 2:1             |   |
| ✓ Silts ☐ Sands   |                 | Bedrock ✓ Gravel □ Vegetation  T, Explain:  |
|   |                 | , =====================================   |
|   |                 |   |
| •   |                 |   |
| •   |                 |   |
| Tributary Condition/S<br>Presence of Run/Riffl<br>Tributary Geometry: | le/Pool Complex | xes. Explain: Not Present   |

| (c) Flow:                  |   |  |           |             |          |                |  |
|----------------------------|---|--|-----------|-------------|----------|----------------|--|
| Tributary Provides for:    | Ephemeral Flow                          | w Average Flow Events per year:                      |           |             |          | 2-5            |  |
| Describe Flow Regime:      | Ephemeral                               | Other Inf  | ormatic   | n on Durat  | tion and | l Volume:      |  |
| Surface Flow is:           | Confined                                | Characte   | ristics:  |             |          |                |  |
| Subsurface Flow:           | No                                      | Explain:   |           |             |          |                |  |
| Tributary Has:             |   |  |           |             |          |                |  |
| ✓ Bed and Banks            |   |  |           |             |          |                |  |
| ✓ OHWM: OHWM In            | dicators:                               |  |           |             |          |                |  |
| ☐ Clear, natural line      | impressed on the bank                   | $\square$ $\lor$                                     | egetati   | on matted   | down, l  | pent or absent |  |
| ✓ Changes in soil changes  | aracter                                 |  | eaf litte | r disturbed | l or was | hed away       |  |
| ☐ Shelving                 |   | ☐ Presence of litter and debris                      |           |             |          |                |  |
| ☐ Sediment depositi        | on                                      | Destruction of terrestrial vegetation                |           |             |          |                |  |
| ✓ Sediment sorting         |   | ☐ Abrupt change in plant community                   |           |             |          |                |  |
| ☐ Scour                    |   | $\square$ Multiple observed or predicted flow events |           |             |          |                |  |
| ☐ Presence of wrack        | line                                    | □ <b>v</b>   | Vater st  | aining      |          |                |  |
| Other (list):              |   |  |           |             |          |                |  |
| ☐ Discontinuous? E         | xplain:                                 |  |           |             |          |                |  |
| (iii) Chemical Characteris | stics:                                  |  |           |             |          |                |  |
| Characterize Tributa       | rv:                                     |  |           |             |          |                |  |
|                            | Identify Specific Pollutants, if known: |  |           |             |          |                |  |
| Tachtiny Specific Foli     | acanco, ii kilowii.                     |  |           |             |          |                |  |
|                            |   |  |           |             |          |                |  |
|                            |   |  |           |             |          |                |  |
|                            |   |  |           |             |          |                |  |

| Feature ID: 63   |        |
|--|--------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |        |
| Riparian Corridor Characteristics:   |        |
| ☐ Wetland Fringe Characteristics:  |        |
| Habitat for:   |        |
| ☐ Federally Listed Species Explain:  |        |
| ☐ Fish/Spawn Areas Explain:  |        |
| ☐ Other environmentally -sensitive species Explain:  |        |
| ☐ Aquatic/Wildlife diversity Explain:  |        |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                       |        |
| (i) Physical Characteristics:  |        |
| Wetland Size (ac): Wetland Type, Explain:  |        |
| Wetland Quality, Explain:  |        |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |        |
| Wetland Flow is: Explain:  |        |
| Surface Flow is: Characteristics:  |        |
| Subsurface Flow: Explain Findings:   |        |
| ☐ Wetland Directly Abutting Non-TNW  |        |
| ☐ Wetland Not Directly Abutting Non-TNW  |        |
| ☐ Discrete wetland hydrologic connection Explain:  |        |
| ☐ Ecologcal connection Explain:  |        |
| ☐ Separated by berm/barrier Explain:   |        |
| Project Wetlands: River Miles from TNW:  |        |
| Project Wetlands: Aerial Miles from TNW:   |        |
| Flow is From:  |        |
| Approximate Location of Wetland within Floodplain:   |        |
| (ii) Chemical Characteristics:   |        |
| Characterize Wetland System:   |        |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |        |
| ☐ Riparian Buffer Explain:   |        |
| ☐ Vegetation type/percent cover. Explain:  |        |
| Habitat for:   |        |
| ☐ Federally Listed Species Explain:  |        |
| ☐ Fish/Spawn Areas Explain:  |        |
| Other environmentally-sensitive species Explain:   |        |
| ☐ Aquatic/Wildlife Diversity Explain:  |        |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                      |        |
| All wetland(s) considered in cumulative analysis:  |        |
| Wetland acres in total being considered in cumulative analysis:  |        |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical function | ions): |
|  |        |
|  |        |
|  |        |

| Feature ID: 63  |  |
|---|--|
| SIGNIFICANT NEXUS DETER   | RMINATION  |
| 1. Significant nexus finding into TNW. Explain:                         | gs for non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| 2. Significant nexus finding or indirectly into TNW. Ex                 | gs for non-RPW and its adjacent wetlands, where the non-RPW flows directly plain:  |
| 3. Significant nexus finding Explain:                                   | gs for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
|   |  |
|   | ISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| 1. TNWs and Adjacent We   | tiands   |
|   | Linear Feet Width (ft), Or, Acres  |
| Wetlands adjacent to <sup>-</sup>                                       |  |
| Reserved for Section III D 2  | (RPWs):  |
| 3. Non-RPWs that flow dir   | ectly or indirectly into TNWs.   |
| ☐ Non-TNW/non-RPW wa<br>with a TNW, and is ther                         | sterbody that flows directly or indirectly into a TNW and has a signficant nexus fore jurisdictional.  |
| Length (Linear Feet):   | Width (feet): Acres:   |
| Reserved for Section III D  | 4 (Wetlands directly abutting RPWs):   |
| Reserved for Section III D  | 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| 6. Wetlands adjacent to n   | on-RPWs that flow directly or indirectly into TNWs.  |
| ☐ Wetland adjacent to no has a significant nexus                        | on-RPWs which, in combination with the tributary and other adjacent wetlands, with the TNW.  |
| Estimated size of juriso  | dictional wetland (in acres):  |
| 7. Impoundments of juris  |  |
| Demonstration of Juris  | diction:   |
| ISOLATED WATERS, INCLU  /HICH COULD AFFECT INTER  Supporting rationale: | DING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF RISTATE COMMERCE  |
| Length (linear feet):   | Acres:   |
| NON-JURISDICTIONAL WA  Non-Jurisdictional Waters  Other                 | TERS, INCLUDING WETLANDS: :  |
| Explain finding of no Signi   | ficant Nexus:  |
| Explain finding of Other:   |  |
| Drainage is a small, relic v<br>2008 Guidance. Downgra                  | wash with no hydrologic function, generally not considered jurisdictional under the dient stormwater flows from this feature would enter other ephemeral drainages mined to have no significant nexus with the downgradient TNW. |
| in the rulary sis ruled deter   |  |
| ✓ Non-wetland waters  | 5022.43 linear feet (ft), 19.11 width (ft)   |
| •   | 5022.43 linear feet (ft), 19.11 width (ft) acres   |

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| Feature I | D: | 63 |
|-----------|----|----|
|-----------|----|----|

| SECTION                 | IV: DATA SOLIDOES  |
|-------------------------|--|
| ✓ M ✓ Da □ □ □ □ □ □ Co | In Inv: DATA SOURCES  It aps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  It at a Sheets Prepared/Submitted on behalf of Applicant  Office Concurs with delineation  Office Does Not Concur with delineation  ata Sheets Prepared by the Corps orps Navigable Water Study  S Geological Survey Hydrologic Atlas  USGS NHD Data |
| ☐<br>✓ US               | USGS 8 and 12 digit HUC Map  S Geological Survey Map(s) Scale and Quad Name:  Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  |
| ☐ Na<br>☐ Sta<br>☐ FE   | SDA Nat'l Res Conservation Service Soil Survey Citation: ational Wetlands Inventory Maps Cite Map Name: tate/Local Wetland Inventory Maps EMA/FIR Maps  00-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)  |
| ✓ Ot<br>□ Pr<br>□ Ap    | erial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ther Photographs (Name and Date): Ground Photos; May 2012 revious Determinations File No. and Date of Response Letter: pplicable/Supporting Case Law Citation:   |
| Ot                      | pplicable/Supporting Scientific Literature Citation:  ther Information, Please Specify:  itional Comments to Support JD:   |
|                         |  |

| SECTION I: BACKGROUND INFORM  | MATION             |                      |                                       |                              |
|---|--------------------|----------------------|---------------------------------------|------------------------------|
| A. Report Completion Date for App   | oroved Jurisdicti  | onal Determinatior   | n: 07/30/2012                         |                              |
| B. District Office and File No: Los   | Angeles District   | , File No. Pending   |                                       |                              |
| C. Project Location and Background  | d Information:     | Drainage Feature     | 64                                    |                              |
| City, County, State Sif Oidak Dis   | strict, Tohono O   | odham Nation, Pir    | na and Pinal Cou                      | nties, Arizona               |
| Center coordinates of site: Lat.  | 32.5073            | Long111.9            | 100                                   |                              |
| Name of nearest waterbody: Un   | named Wash 64      | ļ                    |                                       |                              |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River b    | etween Powers Bu     | tte and Gillespie                     | Dam                          |
| ✓ Map/Diagram of potential juris  | dictional area is  | available on reque   | st                                    |                              |
| D. Review Performed for Site Evalu  | iation:            |                      |                                       |                              |
| Office Determination. Date:   |                    |                      |                                       |                              |
| Field Determination. Date: 05/  | 2012               |                      |                                       |                              |
| SECTION II: SUMMARY OF FINDIN   | GS                 |                      |                                       |                              |
| A. RHA Section 10 Determination   |                    |                      |                                       |                              |
| There Are No "navigable waters  | s of the U.S." wi  | thin RHA jurisdictio | n in the review a                     | area.                        |
| B. CWA Section 404 Determination  | on of Jurisdiction | า                    |                                       |                              |
| There Are No "waters of the   | ne U.S." within (  | CWA jurisdiction in  | the review area.                      |                              |
| 1. Waters of the US:  |                    |                      |                                       |                              |
| Linear Feet   |                    | Width (ft) and/or    | Ac                                    | res                          |
| Limits of Jurisdiction based on:  |                    |                      |                                       |                              |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa                        |                    | tlands were assesse  | ed and determin                       | ed not to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a s   | ignificant nexus wi  | •                                     |                              |
| SECTION III: CWA ANALYSIS   |                    |                      |                                       |                              |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs        |                      |                                       |                              |
| 1. Identified TNW:  |                    |                      |                                       |                              |
| Rationale for TNW determinate   | tion:              |                      |                                       |                              |
| 2. Rationale for conclusion tha   | nt any wetlands    | present are "adjace  | ent":                                 |                              |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY A      | ND ITS ADJACENT \    | WETLANDS                              |                              |
| TNW Watershed Size (sq mi):   | 49650              | Tributaries flo      |                                       | 4                            |
| Drainage Area (sq mi):  | 0.00031<br>8.5     |                      | om tributary to 1                     |                              |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 0                  |                      | om tributary to F<br>rom tributary to |                              |
|   | -                  |                      | rom tributary to                      |                              |
| ☐ Project waters cross or serv  | ve as state boun   | daries. Explain:     |                                       |                              |

| Identify flow route to<br>Unnamed drainages<br>suggests the most lik        | within the A  | •                          |           | •              |            |              | •                |      |
|---|---|----------------------------|-----------|----------------|------------|--------------|------------------|------|
| River.  | cry route of  | potential                  | 110 00 13 | Santa Nosa V   | vasii to t | ne santa en  | az wasii to tiic | Gila |
| Tributary is: Natural   | Ex  | olain:                     |           |                |            |              |                  |      |
| Average Width (ft):   | 9.31  |                            |           |                |            |              |                  |      |
| Average Depth (ft):   | 1   |                            |           |                |            |              |                  |      |
| A   |   |                            |           |                |            |              |                  |      |
|   |   | position (c                | heck all  | I that apply): |            |              |                  |      |
| Average Side Slopes:  Primary tributary sub  Sands                          | strate com  | position (c                | 1         |                | ivel 🗆     | Vegetation   | ١                |      |
| Primary tributary sub  ✓ Silts ☐ Sands                                      | ostrate com   | •                          | Bedro     |                | vel 🗆      | Vegetation   | ı                |      |
| Primary tributary sub  ✓ Silts ☐ Sands                                      | ostrate com  Cok  Muck  C                                     | obles  Uther, Expla        | Bedro     |                | vel 🗆      | ] Vegetatior | 1                |      |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Fributary Condition/ | ostrate com  Cot  Muck  Cot  Cot  Cot  Cot  Cot  Cot  Cot  Co | obles Lather, Explain: Sta | Bedro     |                |            | Vegetation   | 1                |      |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                       | ostrate com  Cot  Muck C  Stability. Ex                       | obles Lather, Explain: Sta | Bedro     | ock 🗹 Gra      |            | ] Vegetatior | 1                |      |

| (c) Flow:                  |                      |   |            |              |            |                  |   |
|----------------------------|----------------------|---|------------|--------------|------------|------------------|---|
| Tributary Provides for:    | Ephemeral Flow       | Average Flow Events per year: 2-5         |            |              |            |                  |   |
| Describe Flow Regime:      | Ephemeral            | Other Information on Duration and Volume: |            |              |            |                  |   |
| Surface Flow is:           | Confined             | Characte                                  | ristics:   |              |            |                  |   |
| Subsurface Flow:           | No                   | Explain:                                  |            |              |            |                  |   |
| Tributary Has:             |                      |   |            |              |            |                  |   |
| ☐ Bed and Banks            |                      |   |            |              |            |                  |   |
| ✓ OHWM: OHWM Inc           | dicators:            |   |            |              |            |                  |   |
| ☐ Clear, natural line i    | mpressed on the bank | :   | /egetati   | on matted    | down, b    | ent or absent    |   |
| ✓ Changes in soil cha      | racter               | □ L                                       | eaf litte. | r disturbed  | l or wasl  | ned away         |   |
| ☐ Shelving                 |                      |   |            |              | nd debri   | S                |   |
| ☐ Sediment deposition      | on                   | ✓ [                                       | Destruct   | ion of terre | estrial ve | getation         |   |
| ✓ Sediment sorting         |                      |   | Abrupt c   | hange in pl  | ant com    | munity           |   |
| ☐ Scour                    |                      |   | Multiple   | observed o   | or predic  | cted flow events | 5 |
| ☐ Presence of wrack        | line                 | _ \                                       | Vater st   | aining       |            |                  |   |
| Other (list):              |                      |   |            |              |            |                  |   |
| ☐ Discontinuous? Ex        | xplain:              |   |            |              |            |                  |   |
| (iii) Chemical Characteris | tics:                |   |            |              |            |                  |   |
| Characterize Tributa       | ry:                  |   |            |              |            |                  |   |
| Identify Specific Poll     |                      |   |            |              |            |                  |   |
|                            |                      |   |            |              |            |                  |   |
|                            |                      |   |            |              |            |                  |   |
|                            |                      |   |            |              |            |                  |   |
|                            |                      |   |            |              |            |                  |   |

| Feature ID: 64   |      |
|--|------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |      |
| Riparian Corridor Characteristics:   |      |
| ☐ Wetland Fringe Characteristics:  |      |
| Habitat for:   |      |
| ☐ Federally Listed Species Explain:  |      |
| ☐ Fish/Spawn Areas Explain:  |      |
| ☐ Other environmentally -sensitive species Explain:  |      |
| ☐ Aquatic/Wildlife diversity Explain:  |      |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                       |      |
| (i) Physical Characteristics:  |      |
| Wetland Size (ac): Wetland Type, Explain:  |      |
| Wetland Quality, Explain:  |      |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |      |
| Wetland Flow is: Explain:  |      |
| Surface Flow is: Characteristics:  |      |
| Subsurface Flow: Explain Findings:   |      |
| ☐ Wetland Directly Abutting Non-TNW  |      |
| ☐ Wetland Not Directly Abutting Non-TNW  |      |
| ☐ Discrete wetland hydrologic connection Explain:  |      |
| ☐ Ecologcal connection Explain:  |      |
| ☐ Separated by berm/barrier Explain:   |      |
| Project Wetlands: River Miles from TNW:  |      |
| Project Wetlands: Aerial Miles from TNW:   |      |
| Flow is From:  |      |
| Approximate Location of Wetland within Floodplain:   |      |
| (ii) Chemical Characteristics:   |      |
| Characterize Wetland System:   |      |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |      |
| ☐ Riparian Buffer Explain:   |      |
| ☐ Vegetation type/percent cover. Explain:  |      |
| Habitat for:   |      |
| ☐ Federally Listed Species Explain:  |      |
| ☐ Fish/Spawn Areas Explain:  |      |
| Other environmentally-sensitive species Explain:   |      |
| ☐ Aquatic/Wildlife Diversity Explain:  |      |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                      |      |
| All wetland(s) considered in cumulative analysis:  |      |
| Wetland acres in total being considered in cumulative analysis:  |      |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical function | ns): |
|  |      |
|  |      |
|  |      |

|  | TION  |
|--|---|
| <ol> <li>Significant nexus findings for no<br/>into TNW. Explain:</li> </ol>   | on-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gillesp<br>discharges, in combination with th<br>downstream manmade impoundm<br>possibility of a hydrologic connecti<br>critical habitats were identified wit<br>does not provide lifecycle support<br>drainage does not have more than<br>biological integrity of the TNW. The | is located more than 100 river miles from the nearest TNW, the Gila River ie Dam. An analysis of peak yearly discharges and potential flood e geomorphology of the Analysis Area, the presence of a significant tent (Tat Momolikot Dam), and the distance to the TNW, suggests that the on between this drainage and the TNW is tenuous. No pollutants or thin the Analysis Area. Additionally, this unnamed ephemeral drainage functions, nutrients, or organic carbon to species within the TNW. This a speculative or insubstantial effect on the physical, chemical, and/or erefore, this unnamed ephemeral drainage does not possess a significant Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for no or indirectly into TNW. Explain:  | on-RPW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for w<br>Explain:  | etlands adjacent to an RPW but that do not directly abut the RPW.   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear F  Wetlands adjacent to TNWs:  | Acres   |
| Reserved for Section III D 2 (RPWs   |   |
| 3. Non-RPWs that flow directly or Non-TNW/non-RPW waterbod with a TNW, and is therfore jur Length (Linear Feet):   | y that flows directly or indirectly into a TNW and has a signficant nexus   |
| Reserved for Section III D 4 (Wetla  | ands directly abutting RPWs):   |
| Reserved for Section III D 5 (Wetla  | ands adjacent to but not directly abutting RPWs):   |
| •  |   |
| 7. Impoundments of jurisdictional  |   |
| 7. IIIIDOUIIUIIIEIILS OI IUIISUICIIOII   |   |
| Demonstration of Jurisdiction:   |   |

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 64   |  |                                       |
|--|--|---------------------------------------|
| As described in Section 3C possess a significant nexus   | 1 above, an analysis of this ephemeral drawith the nearest TNW.  | ainage determined that it did not     |
| Explain finding of Other:  |  |                                       |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 930.68 linear feet (ft), 9 acres acres   | .31 width (ft)                        |
| SECTION IV: DATA SOURCES   |  |                                       |
| ✓ Data Sheets Prepared/ ☐ Office Concurs with  | at Submitted by Applicant/Consultant: Submitted on behalf of Applicant delineation neur with delineation | WestLand Resources, Inc.              |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | Study<br>ydrologic Atlas   |                                       |
| ·  | lap(s) Scale and Quad Name:<br>ins SE, North Komelik, and Santa Rosa Mo                                  | ountains NW 7.5-Minute Quadrangles    |
| ☐ USDA Nat'l Res Conser  | vation Service Soil Survey Citation:   |                                       |
| <ul><li>□ National Wetlands Invo</li><li>□ State/Local Wetland In</li><li>□ FEMA/FIR Maps</li></ul>  |  |                                       |
| ☐ 100-year Floodplain El   | evation is: (Natio   | onal Geodetic Vertical Datum of 1929) |
| ✓ Aerial Photographs (   | Name and Date): BING, Microsoft Virtual  | Earth 2008                            |
| ✓ Other Photographs (  | Name and Date): Ground Photos; May 20  | 012                                   |
| ☐ Previous Determinatio  | ns File No. and Date of Response Letter  | :                                     |
| $\square$ Applicable/Supporting  | Case Law Citation:   |                                       |
| $\square$ Applicable/Supporting  | Scientific Literature Citation:  |                                       |
| Other Information, Ple   | ase Specify:   |                                       |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>       |                      |                                    |            |                    |
|---|---------------------|----------------------|------------------------------------|------------|--------------------|
| A. Report Completion Date for App   | roved Jurisdictio   | nal Determination    | : 07/30/201                        | 2          |                    |
| B. District Office and File No: Los   | Angeles District,   | File No. Pending     |                                    |            |                    |
| C. Project Location and Background  | d Information:      | Drainage Feature     | 65                                 |            |                    |
| City, County, State Sif Oidak Dis   | strict, Tohono O'   | odham Nation, Pin    | na and Pinal Co                    | unties, Aı | izona              |
| Center coordinates of site: Lat.  | 32.5073             | Long111.91           | .00                                |            |                    |
| Name of nearest waterbody: Un   | named Wash 65       |                      |                                    |            |                    |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River be    | tween Powers But     | te and Gillespi                    | e Dam      |                    |
| ✓ Map/Diagram of potential juris  | dictional area is a | available on reque   | st                                 |            |                    |
| D. Review Performed for Site Evalu  | ation:              |                      |                                    |            |                    |
| Office Determination. Date:   |                     |                      |                                    |            |                    |
| Field Determination. Date: 05/  | 2012                |                      |                                    |            |                    |
| SECTION II: SUMMARY OF FINDIN   | GS                  |                      |                                    |            |                    |
| A. RHA Section 10 Determination   |                     |                      |                                    |            |                    |
| There Are No "navigable waters  |                     | nin RHA jurisdictio  | n in the review                    | area.      |                    |
| B. CWA Section 404 Determination  | on of Jurisdiction  |                      |                                    |            |                    |
| There Are No "waters of the   | ne U.S." within C\  | NA jurisdiction in t | the review area                    | ١.         |                    |
| 1. Waters of the US:  |                     |                      |                                    |            |                    |
| Linear Feet   | V                   | Vidth (ft) and/or    | A                                  | cres       |                    |
| Limits of Jurisdiction based on:  |                     |                      |                                    |            |                    |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa                        |                     | ands were assesse    | ed and determin                    | ned not to | be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a sig  | gnificant nexus wit  |                                    | _          | •                  |
| SECTION III: CWA ANALYSIS   |                     |                      |                                    |            |                    |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs         |                      |                                    |            |                    |
| 1. Identified TNW:  |                     |                      |                                    |            |                    |
| Rationale for TNW determinate   | ion:                |                      |                                    |            |                    |
| 2. Rationale for conclusion tha   | it any wetlands p   | resent are "adjace   | ent":                              |            |                    |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY AN      | ID ITS ADJACENT V    | VETLANDS                           |            |                    |
| TNW Watershed Size (sq mi):   | 49650               | Tributaries flo      |                                    |            | 4                  |
| Drainage Area (sq mi):  | 0.02211             |                      | om tributary to                    |            | 30 (or more)       |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 8.5<br>0            |                      | om tributary to<br>om tributary to |            | 30 (or more)       |
| , werage / linaar Showlan (III).  |                     |                      | om tributary to                    |            | 33 (or more)       |
| ☐ Project waters cross or serv  | ve as state bound   |                      | •                                  |            |                    |

| ature ID: 65          |   |
|-----------------------|---|
| dentify flow route to | o TNW:  |
| _                     | within the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography kely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural | Explain:  |
| Average Width (ft):   | 39.44   |
| Average Depth (ft):   | 1   |
| Average Side Slopes:  | 2:1   |
| ✓ Silts ☐ Sands       |   |
| ☐ Concrete ☐ N        | Muck Other, Explain:  |
| Tributary Condition/S | Stability. Explain: Stable  |
| Presence of Run/Riffl | Tle/Pool Complexes. Explain: Not Present  |
| 7                     |   |
| Tributary Geometry:   | Relatively Straight   |

| (c) Flow:                  |                      |   |            |              |            |                |    |
|----------------------------|----------------------|---|------------|--------------|------------|----------------|----|
| Tributary Provides for:    | Ephemeral Flow       | Average Flow Events per year: 2-5         |            |              |            |                |    |
| Describe Flow Regime:      | Ephemeral            | Other Information on Duration and Volume: |            |              |            |                |    |
| Surface Flow is:           | Confined             | Characte                                  | ristics:   |              |            |                |    |
| Subsurface Flow:           | No                   | Explain:                                  |            |              |            |                |    |
| Tributary Has:             |                      |   |            |              |            |                |    |
| ✓ Bed and Banks            |                      |   |            |              |            |                |    |
| ✓ OHWM: OHWM Inc           | dicators:            |   |            |              |            |                |    |
| ☐ Clear, natural line i    | mpressed on the bank | :   | /egetati   | on matted    | down, b    | ent or absent  |    |
| ✓ Changes in soil cha      | racter               |   | eaf litte. | r disturbed  | l or wasł  | ned away       |    |
| ☐ Shelving                 |                      |   |            |              | nd debri   | 5              |    |
| ☐ Sediment deposition      | on                   | <b>✓</b> [                                | Destruct   | ion of terre | estrial ve | getation       |    |
| ✓ Sediment sorting         |                      |   | Abrupt c   | hange in pl  | ant com    | munity         |    |
| ☐ Scour                    |                      |   | Multiple   | observed o   | or predic  | ted flow event | ts |
| ☐ Presence of wrack        | line                 |   | Vater st   | aining       |            |                |    |
| Other (list):              |                      |   |            |              |            |                |    |
| ☐ Discontinuous? Ex        | rplain:              |   |            |              |            |                |    |
| (iii) Chemical Characteris | tics:                |   |            |              |            |                |    |
| Characterize Tributa       | ry:                  |   |            |              |            |                |    |
| Identify Specific Poll     |                      |   |            |              |            |                |    |
|                            |                      |   |            |              |            |                |    |
|                            |                      |   |            |              |            |                |    |
|                            |                      |   |            |              |            |                |    |
|                            |                      |   |            |              |            |                |    |

| Feature ID: 65  |           |
|---|-----------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                     |           |
| Riparian Corridor Characteristics:  |           |
| ☐ Wetland Fringe Characteristics:   |           |
| Habitat for:  |           |
| ☐ Federally Listed Species Explain:   |           |
| ☐ Fish/Spawn Areas Explain:   |           |
| ☐ Other environmentally -sensitive species Explain:   |           |
| ☐ Aquatic/Wildlife diversity Explain:   |           |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                  |           |
| (i) Physical Characteristics:   |           |
| Wetland Size (ac): Wetland Type, Explain:   |           |
| Wetland Quality, Explain:   |           |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |           |
| Wetland Flow is: Explain:   |           |
| Surface Flow is: Characteristics:   |           |
| Subsurface Flow: Explain Findings:  |           |
| ☐ Wetland Directly Abutting Non-TNW   |           |
| ☐ Wetland Not Directly Abutting Non-TNW   |           |
| ☐ Discrete wetland hydrologic connection Explain:   |           |
| ☐ Ecologcal connection Explain:   |           |
| ☐ Separated by berm/barrier Explain:  |           |
| Project Wetlands: River Miles from TNW:   |           |
| Project Wetlands: Aerial Miles from TNW:  |           |
| Flow is From:   |           |
| Approximate Location of Wetland within Floodplain:  |           |
| (ii) Chemical Characteristics:  |           |
| Characterize Wetland System:  |           |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                    |           |
|   |           |
| ☐ Riparian Buffer Explain: ☐ Vegetation type/percent cover. Explain:  |           |
| Habitat for:  |           |
| Federally Listed Species Explain:   |           |
| ☐ Fish/Spawn Areas Explain:   |           |
| ☐ Other environmentally-sensitive species Explain:  |           |
| ☐ Aquatic/Wildlife Diversity Explain:   |           |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                 |           |
| All wetland(s) considered in cumulative analysis:   |           |
| Wetland acres in total being considered in cumulative analysis:   |           |
|   | octions). |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fur | ictions): |
|   |           |
|   |           |

| . SIGNIFICANT NEXUS DETERMIN  | NATION   |   |   |   |
|---|--|---|---|---|
| 1. Significant nexus findings for into TNW. Explain:  | r non-RPW that has no  | adjacent wetlands a   | nd flows direc  | tly or indirectly   |
| This unnamed ephemeral drainabetween Powers Butte and Gille discharges, in combination with downstream manmade impound possibility of a hydrologic connectical habitats were identified does not provide lifecycle support drainage does not have more the biological integrity of the TNW. nexus with the TNW reach of the | espie Dam. An analysis of the geomorphology of the geomorphology of the geomorphology of the geometric description between this draw within the Analysis Are port functions, nutrients than a speculative or instance. Therefore, this unnames | of peak yearly dischange of the Analysis Area, the Dam), and the distantionage and the TNW is ea. Additionally, this uses, or organic carbon to substantial effect on the deephemeral drainage. | orges and pote<br>one presence of<br>nce to the TNV<br>s tenuous. No<br>unnamed ephe<br>o species withi<br>the physical, ch<br>ge does not po | ntial flood  a significant  V, suggests that the pollutants or meral drainage n the TNW. This nemical, and/or |
| 2. Significant nexus findings for or indirectly into TNW. Explain   | •  | acent wetlands, wher  | e the non-RP\   | N flows directly  |
| 3. Significant nexus findings fo<br>Explain:  | r wetlands adjacent to   | an RPW but that do  | not directly al   | out the RPW.  |
| D. DETERMINATIONS OF JURISDIC   | CTIONAL FINDINGS. TH   | IE SUBJECT WATERS/  | WETLANDS A  | RE  |
| 1. TNWs and Adjacent Wetland  | ds   |   |   |   |
| ☐ TNWs: Linea ☐ Wetlands adjacent to TNW  | ar Feet /s: Acres  | Width (ft), Or,   |   | Acres   |
| Reserved for Section III D 2 (RP  | Ws):   |   |   |   |
| 3. Non-RPWs that flow directly  | y or indirectly into TNV   | Vs.   |   |   |
| ☐ Non-TNW/non-RPW waterb<br>with a TNW, and is therfore   | •  | or indirectly into a Ti   | NW and has a  | signficant nexus  |
| Length (Linear Feet):   | Width (feet):  | Acre  | s:  |   |
| Reserved for Section III D 4 (W   | etlands directly abuttir   | ng RPWs):   |   |   |
| Reserved for Section III D 5 (W   | etlands adjacent to bu   | t not directly abutting   | रु RPWs):   |   |
| 6 Wetlands adjacent to non-F  | RPWs that flow directly  | y or indirectly into TN   | IWs.  |   |
| o. Wetlands adjacent to non-i   |  |   | ry and other a  | djacent wetlands,   |
| <ul> <li>Wetland adjacent to non-R</li> <li>has a significant nexus with</li> </ul>   |  | ation with the tributa  |   |   |
| ☐ Wetland adjacent to non-R   | n the TNW.   |   |   |   |
| <ul><li>Wetland adjacent to non-R<br/>has a significant nexus with</li></ul>  | n the TNW.<br>onal wetland (in acres):   |   |   |   |
| ☐ Wetland adjacent to non-R has a significant nexus with Estimated size of jurisdiction   | n the TNW.  onal wetland (in acres):  ional waters.  |   |   |   |
| <ul> <li>Wetland adjacent to non-R has a significant nexus with Estimated size of jurisdiction.</li> <li>Impoundments of jurisdiction.</li> </ul>   | n the TNW.  conal wetland (in acres):  ional waters.  ion:  G ISOLATED WETLAND   |   | ATION OR DES  | TRUCTION OF   |
| <ul> <li>□ Wetland adjacent to non-R has a significant nexus with Estimated size of jurisdiction.</li> <li>7. Impoundments of jurisdiction Demonstration of Jurisdiction.</li> <li>E. ISOLATED WATERS, INCLUDING</li> </ul>   | n the TNW.  conal wetland (in acres):  ional waters.  ion:  G ISOLATED WETLAND   |   | ATION OR DES  | TRUCTION OF   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 65  |   |                                 |             |                                  |  |
|---|---|---------------------------------|-------------|----------------------------------|--|
| As described in Section 30 possess a significant nexu   |   | •                               | ral draina  | ge determined that it did not    |  |
| Explain finding of Other:   |   |                                 |             |                                  |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>  | a   | near feet (ft),<br>cres<br>cres | 39.44       | width (ft)                       |  |
| SECTION IV: DATA SOURCES  |   |                                 |             |                                  |  |
| ✓ Maps, Plans, Plots or F ✓ Data Sheets Prepared, ☐ Office Concurs with ☐ Office Does Not Co ☐ Data Sheets Prepared ☐ Corps Navigable Wate ☐ US Geological Survey ☐ ☐ USGS NHD Data | 'Submitted on beh<br>n delineation<br>ncur with delineat<br>by the Corps<br>r Study | alf of Applicant                | Itant: W    | estLand Resources, Inc.          |  |
| USGS 8 and 12 dig   | it HUC Map  |                                 |             |                                  |  |
| ✓ US Geological Survey Silver Reef Mount  | • • •   |                                 | osa Mount   | tains NW 7.5-Minute Quadrangles  |  |
| ☐ USDA Nat'l Res Conse  | vation Service Soil   | Survey Citation                 | ո։          |                                  |  |
| <ul><li>□ National Wetlands Inv</li><li>□ State/Local Wetland Inv</li><li>□ FEMA/FIR Maps</li></ul>   | entory Maps Ci  | te Map Name:                    |             |                                  |  |
| ☐ 100-year Floodplain E   | evation is:   |                                 | (National   | Geodetic Vertical Datum of 1929) |  |
| Aerial Photographs (  | Name and Date):   | BING, Microsoft \               | /irtual Ear | th 2008                          |  |
| Other Photographs (   | Name and Date):   | Ground Photos; N                | /lay 2012   |                                  |  |
| Previous Determination  |   | •                               | Letter:     |                                  |  |
| Applicable/Supporting   |   |                                 |             |                                  |  |
| ☐ Applicable/Supporting   |   | re Citation:                    |             |                                  |  |
| Other Information, Ple  | ease Specify:   |                                 |             |                                  |  |

| SECTION I: BACK    | GROUND INFORM        | <u>MATION</u>    |                         |  |                          |
|--------------------|----------------------|------------------|-------------------------|--|--------------------------|
| A. Report Comple   | etion Date for App   | oroved Jurisdic  | tional Determination    | 07/30/2012                                 |                          |
| •                  |                      |                  | ct, File No. Pending    |  |                          |
| C. Project Locatio | n and Backgroun      | d Information:   | Drainage Feature        | 65A  |                          |
| City, County, Sta  | te Sif Oidak Di      | strict, Tohono   | O'odham Nation, Pim     | a and Pinal Counties                       | , Arizona                |
| Center coordinat   | tes of site: Lat.    | 32.5073          | Long111.91              | 00   |                          |
| Name of nearest    | waterbody: Un        | named Wash 6     | 55A                     |  |                          |
| Name of nearest    | downstream TN        | N: Gila River    | between Powers But      | te and Gillespie Dam                       |                          |
| HUC Code: 15       | 050306               |                  |                         |  |                          |
| ✓ Map/Diagram      | of potential juris   | dictional area i | s available on reques   | t  |                          |
| D. Review Perform  | med for Site Evalເ   | iation:          |                         |  |                          |
| Office Determina   | ation. Date:         |                  |                         |  |                          |
| Field Determinat   | ion. Date: 05/       | 2012             |                         |  |                          |
| SECTION II: SUMI   | MARY OF FINDIN       | GS.              |                         |  |                          |
|                    | 10 Determination     | <u></u>          |                         |  |                          |
|                    |                      |                  | vithin RHA jurisdictior | in the review area.                        |                          |
|                    | 404 Determination    |                  |                         |  |                          |
| There Are No       |                      |                  | CWA jurisdiction in t   | he review area.                            |                          |
| 1. Waters of t     | the US:              |                  |                         |  |                          |
|                    | Linear Feet          |                  | Width (ft) and/or       | Acres                                      |                          |
| Limits of Juris    | diction based on     |                  |                         |  |                          |
| 2. Non-Regula      | ated Waters/Wet      | lands:           |                         |  |                          |
| _                  |                      |                  | etlands were assesse    | d and determined no                        | ot to be jurisdictional: |
| Drainage           | is ephemeral and     | does not qual    | ify as a TNW or RPW.    | Therefore, this drain                      | nage could only be       |
|                    | •                    | •                | significant nexus witl  | n a downstream TNV                         | V. This drainage does    |
| not posse          | ess a significant ne | exus with the d  | ownstream TNW.          |  |                          |
| SECTION III: CWA   | ANALYSIS             |                  |                         |  |                          |
| A. TNWs AND W      | ETLANDS ADJACE       | ENT TO TNWs      |                         |  |                          |
| 1. Identified      | TNW:                 |                  |                         |  |                          |
| Rationale for      | TNW determina        | tion:            |                         |  |                          |
| 2. Rationale f     | for conclusion tha   | at any wetland   | s present are "adjace   | nt":                                       |                          |
| B. CHARACTERIS     | STICS OF NON-TN'     | W TRIBUTARY      | AND ITS ADJACENT W      | /ETLANDS                                   |                          |
| TNW Watersh        | ned Size (sq mi):    | 49650            | Tributaries flo         | w to TNW:                                  | 4                        |
| Drainage Area      |                      | 0.00014          |                         | m tributary to TNW:                        |                          |
| _                  | ual Rainfall (in):   | 8.5              |                         | m tributary to RPW:                        |                          |
| Average Anni       | ual Snowfall (in):   | 0                |                         | om tributary to TNW<br>om tributary to RPW |                          |
| ☐ Project wa       | aters cross or serv  | ve as state bou  |                         | 2    |                          |

Feature ID: 65A

| _  |  | -                              |  |     |             | Rosa Wash. Topograph<br>Cruz Wash to the Gila |
|--|--|--------------------------------|--|-----|-------------|---|
| Tributary is: Natural  |  | Explain                        | :  |     |             |   |
| Average Width (ft):  | 10.92                                  |                                |  |     |             |   |
| Vyorago Donth (ft)   | 1                                      |                                |  |     |             |   |
| average Deptil (it).   | _                                      |                                |  |     |             |   |
| Average Side Slopes: Primary tributary sub   | 2:1<br>ostrate                         |                                | -  |     | □ Vegetatio | nn  |
| Average Depth (ft): Average Side Slopes: Primary tributary sub Silts Sands Concrete I Tributary Condition/ | 2:1  ostrate  s  Muck                  | Cobbles<br>Other               | □ Bedr   |     | □ Vegetatio | on  |
| Average Side Slopes:  Primary tributary sub Silts Sands Concrete If  | 2:1  ostrate  s   Muck  Stability      | Cobbles<br>Other<br>y. Explain | Bedro  |     | □ Vegetatio | on  |
| Average Side Slopes:  Primary tributary sub  Silts Sands  Concrete I                                       | 2:1  ostrate  Muck  Stability  le/Pool | Cobbles<br>Other<br>y. Explain | Bedra<br>, Explain:<br>: Stable<br>kes. Explain: | ock | □ Vegetatio | on  |

(c) Flow:

| Tributary Provides for:    | Ephemeral Flow        | Average    | Flow Eve   | ents per ye | ear:      | 2-5              |    |
|----------------------------|-----------------------|------------|------------|-------------|-----------|------------------|----|
| Describe Flow Regime:      | Ephemeral             | Other Inf  | ormatio    | n on Dura   | tion an   | d Volume:        |    |
| Surface Flow is:           | Confined              | Characte   | ristics:   |             |           |                  |    |
| Subsurface Flow:           | No                    | Explain:   |            |             |           |                  |    |
| Tributary Has:             |                       |            |            |             |           |                  |    |
| ✓ Bed and Banks            |                       |            |            |             |           |                  |    |
| ✓ OHWM: OHWM Ind           | dicators:             |            |            |             |           |                  |    |
| ☐ Clear, natural line      | impressed on the bank |            | /egetatio  | on matted   | down,     | bent or absent   |    |
| Changes in soil cha        | aracter               |            | eaf litte. | r disturbe  | d or wa   | shed away        |    |
| ☐ Shelving                 |                       | □ P        | resence    | of litter a | nd deb    | ris              |    |
| ☐ Sediment deposition      | on                    | <b>~</b> [ | Destructi  | ion of terr | estrial v | egetation        |    |
| Sediment sorting           |                       |            | Abrupt c   | hange in p  | lant co   | mmunity          |    |
| ☐ Scour                    |                       |            | Multiple   | observed    | or pred   | icted flow event | ts |
| ☐ Presence of wrack        | line                  | □ V        | Water st   | aining      |           |                  |    |
| Other (list):              |                       |            |            |             |           |                  |    |
| ☐ Discontinuous? Ex        | kplain:               |            |            |             |           |                  |    |
| (iii) Chemical Characteris | *ticc*                |            |            |             |           |                  |    |
|                            |                       |            |            |             |           |                  |    |
| Characterize Tributa       |                       |            |            |             |           |                  |    |
| Identify Specific Poll     | utants, if known:     |            |            |             |           |                  |    |
|                            |                       |            |            |             |           |                  |    |
|                            |                       |            |            |             |           |                  |    |
|                            |                       |            |            |             |           |                  |    |
|                            |                       |            |            |             |           |                  |    |

| Feature ID: 65A   |        |
|---|--------|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |        |
| Riparian Corridor Characteristics:  |        |
| ☐ Wetland Fringe Characteristics:   |        |
| Habitat for:  |        |
| Federally Listed Species Explain:   |        |
| ☐ Fish/Spawn Areas Explain:   |        |
| Other environmentally -sensitive species Explain:   |        |
| ☐ Aquatic/Wildlife diversity Explain:   |        |
| <ol><li>Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW</li><li>(i) Physical Characteristics:</li></ol>   |        |
| Wetland Size (ac): Wetland Type, Explain:   |        |
| Wetland Quality, Explain:   |        |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |        |
| Wetland Flow is: Explain:   |        |
| Surface Flow is: Characteristics:   |        |
| Subsurface Flow: Explain Findings:  |        |
| <ul> <li>□ Wetland Directly Abutting Non-TNW</li> <li>□ Wetland Not Directly Abutting Non-TNW</li> <li>□ Discrete wetland hydrologic connection Explain:</li> <li>□ Ecological connection Explain:</li> <li>□ Separated by berm/barrier Explain:</li> <li>Project Wetlands: River Miles from TNW:</li> <li>Project Wetlands: Aerial Miles from TNW:</li> <li>Flow is From:</li> <li>Approximate Location of Wetland within Floodplain:</li> <li>(ii) Chemical Characteristics:</li> </ul> |        |
| Characterize Wetland System:  |        |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |        |
| ☐ Riparian Buffer Explain:  |        |
| ☐ Vegetation type/percent cover. Explain:   |        |
| Habitat for:  |        |
| ☐ Federally Listed Species Explain:   |        |
| ☐ Fish/Spawn Areas Explain:   |        |
| Other environmentally-sensitive species Explain:  |        |
| ☐ Aquatic/Wildlife Diversity Explain:   |        |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |        |
| All wetland(s) considered in cumulative analysis:   |        |
| Wetland acres in total being considered in cumulative analysis:   |        |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical func  | ions): |
| , , , , , , , , , , , , , , , , , , ,   | •      |

| SIGNIFICANT NEXUS DETERMINATION  |   |
|--|---|
| <ol> <li>Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or ir<br/>into TNW. Explain:</li> </ol>   | ndirectly   |
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential floodischarges, in combination with the geomorphology of the Analysis Area, the presence of a signification downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, sugge possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutary critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral does not provide lifecycle support functions, nutrients, or organic carbon to species within the TN drainage does not have more than a speculative or insubstantial effect on the physical, chemical, biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. | od<br>ficant<br>ests that the<br>nts or<br>drainage<br>NW. This<br>, and/or |
| <ol><li>Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows<br/>or indirectly into TNW. Explain:</li></ol>   | directly  |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the Explain:   | RPW.  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):   | 5   |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  |   |
| □ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signfical with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:   | nt nexus  |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |   |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |   |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   |   |
| $\hfill \Box$ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent has a significant nexus with the TNW.   | wetlands,   |
| Estimated size of jurisdictional wetland (in acres):   |   |
|  |   |
| 7. Impoundments of jurisdictional waters.  |   |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 65A  |  |
|--|--|
| As described in Section 3C possess a significant nexus | 1 above, an analysis of this ephemeral drainage determined that it did not with the nearest TNW. |
| Explain finding of Other:                              |  |
| ✓ Non-wetland waters                                   | 367.63 linear feet (ft), 10.92 width (ft)  |
| $\square$ Other waters                                 | acres  |
| $\square$ Wetlands                                     | acres  |
| SECTION IV: DATA SOURCES                               |  |
|  | lat Submitted by Applicant/Consultant: WestLand Resources, Inc.                                  |
|  | Submitted on behalf of Applicant   |
| ☐ Office Concurs with                                  | • •  |
|  | ncur with delineation  |
| <u></u>  |  |
| ☐ Data Sheets Prepared I                               | ·  |
| ☐ Corps Navigable Water                                | •  |
| ☐ US Geological Survey H                               | ydrologic Atlas  |
| USGS NHD Data  |  |
| ☐ USGS 8 and 12 digi                                   | t HUC Map  |
| US Geological Survey N                                 | Map(s) Scale and Quad Name:  |
|  | ins SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                        |
| ☐ LISDA Nat'l Res Consen                               | vation Service Soil Survey Citation:   |
| ☐ National Wetlands Inve                               |  |
| ☐ State/Local Wetland In                               |  |
| ☐ FEMA/FIR Maps  | ventory iviaps   |
| ☐ 100-year Floodplain Ele                              | evation is: (National Geodetic Vertical Datum of 1929)   |
|  | Name and Date): BING, Microsoft Virtual Earth 2008   |
|  | Name and Date): Ground Photos; May 2012  |
| • ,  | ns File No. and Date of Response Letter:   |
| ☐ Applicable/Supporting                                |  |
| ☐ Applicable/Supporting                                |  |
| - Applicable/ Supporting                               | Scientific Literature Citation.  |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACK     | GROUND INFORM        | <u>//ATION</u>    |                         |  |                          |
|---------------------|----------------------|-------------------|-------------------------|--|--------------------------|
| A. Report Comple    | etion Date for App   | proved Jurisdic   | tional Determination    | : 07/30/2012                               |                          |
|                     |                      |                   | ct, File No. Pending    |  |                          |
| C. Project Location | on and Backgroun     | d Information:    | Drainage Feature        | 65B  |                          |
| City, County, Sta   | ite Sif Oidak Di     | strict, Tohono    | O'odham Nation, Pim     | na and Pinal Counties                      | s, Arizona               |
| Center coordina     | tes of site: Lat.    | 32.5073           | Long111.91              | 00   |                          |
| Name of neares      | t waterbody: Un      | named Wash 6      | 55B                     |  |                          |
| Name of neares      | t downstream TN      | W: Gila River     | between Powers But      | te and Gillespie Dam                       | 1                        |
| HUC Code: 15        | 050306               |                   |                         |  |                          |
| ✓ Map/Diagram       | of potential juris   | dictional area i  | is available on reques  | st   |                          |
| D. Review Perfor    | med for Site Evalu   | ıation:           |                         |  |                          |
| Office Determin     | ation. Date:         |                   |                         |  |                          |
| Field Determina     | tion. Date: 05/      | 2012              |                         |  |                          |
| SECTION II: SUM     | MARY OF FINDIN       | GS.               |                         |  |                          |
|                     | 10 Determination     |                   |                         |  |                          |
|                     |                      |                   | vithin RHA jurisdiction | n in the review area.                      |                          |
| B. CWA Section      | 404 Determination    | on of Jurisdictio | on                      |  |                          |
| There Are No        |                      |                   | CWA jurisdiction in t   | he review area.                            |                          |
| 1. Waters of        | the US:              |                   |                         |  |                          |
|                     | Linear Feet          |                   | Width (ft) and/or       | Acres                                      |                          |
| Limits of Juri      | sdiction based on    |                   |                         |  |                          |
| 2. Non-Regul        | ated Waters/Wet      | lands:            |                         |  |                          |
| _                   |                      |                   | etlands were assesse    | d and determined no                        | ot to be jurisdictional: |
| Drainage            | is ephemeral and     | does not qual     | ify as a TNW or RPW.    | Therefore, this drai                       | nage could only be       |
|                     | •                    | •                 | •                       | h a downstream TNV                         | W. This drainage does    |
| not posse           | ess a significant ne | exus with the d   | lownstream TNW.         |  |                          |
| SECTION III: CW/    |                      |                   |                         |  |                          |
|                     | VETLANDS ADJACI      | ENT TO TNWs       |                         |  |                          |
| 1. Identified       |                      |                   |                         |  |                          |
| Rationale fo        | r TNW determina      | tion:             |                         |  |                          |
| 2. Rationale        | for conclusion tha   | at any wetland    | s present are "adjace   | nt":                                       |                          |
| B. CHARACTERI       | STICS OF NON-TN      | W TRIBUTARY       | AND ITS ADJACENT W      | /ETLANDS                                   |                          |
|                     | hed Size (sq mi):    | 49650             | Tributaries flo         |  | 4                        |
| Drainage Are        | a (sq mi):           | 0.01268           | River Miles fro         | m tributary to TNW                         | : 30 (or more)           |
| _                   | ual Rainfall (in):   | 8.5               |                         | m tributary to RPW:                        |                          |
| Average Ann         | ual Snowfall (in):   | 0                 |                         | om tributary to TNW<br>om tributary to RPW |                          |
| ☐ Proiect w         | aters cross or ser   | e as state bou    |                         | on tributary to NP W                       | •                        |
|                     |                      |                   |                         |  |                          |

Feature ID: 65B

| dentify flow route to                                |                              |                                   |  |
|--|------------------------------|-----------------------------------|--|
| •  |                              | •                                 | Area are ultimately tributary to the Santa Rosa Wash. Topography tial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural                                |                              | Explain:                          |  |
| Average Width (ft):                                  | 33.46                        |                                   |  |
| Average Depth (ft):                                  | 1                            |                                   |  |
| Average Side Slopes:                                 | 2:1                          |                                   |  |
| Primary tributary sub                                | strate                       | compositio                        | n (check all that apply):  |
| ✓ Silts □ Sands                                      | _                            | compositic<br>Cobbles<br>Other, E | ☐ Bedrock ☑ Gravel ☐ Vegetation  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ N                       | /luck                        | Cobbles<br>Other, E               | ☐ Bedrock ☑ Gravel ☐ Vegetation  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M Tributary Condition/S | √uck<br>Stability            | Cobbles Other, E                  | ☐ Bedrock ☑ Gravel ☐ Vegetation  xplain:  Stable   |
| ✓ Silts □ Sands                                      | /Juck<br>Stability<br>e/Pool | Cobbles Other, E                  | ☐ Bedrock ☑ Gravel ☐ Vegetation  xplain:  Stable  Explain: Not Present   |

| (c) Flow:                     |                       |            |             |             |            |                   |
|-------------------------------|-----------------------|------------|-------------|-------------|------------|-------------------|
| Tributary Provides for:       | Ephemeral Flow        | Average I  | Flow Eve    | nts per y   | ear:       | 2-5               |
| Describe Flow Regime:         | Ephemeral             | Other Inf  | ormatio     | n on Dura   | ation and  | d Volume:         |
| Surface Flow is:              | Confined              | Characte   | ristics:    |             |            |                   |
| Subsurface Flow:              | No                    | Explain:   |             |             |            |                   |
| Tributary Has:                |                       |            |             |             |            |                   |
| ✓ Bed and Banks               |                       |            |             |             |            |                   |
| ✓ OHWM: OHWM Inc              | dicators:             |            |             |             |            |                   |
| $\square$ Clear, natural line | impressed on the bank | □v         | egetatio    | n matte     | d down,    | bent or absent    |
| Changes in soil cha           |                       |            | eaf litter  | disturbe    | d or was   | shed away         |
| ☐ Shelving                    |                       | □ P        | resence     | of litter a | and debr   | ris               |
| ☐ Sediment depositi           | on                    | <b>✓</b> D | estructio   | on of teri  | restrial v | egetation         |
| Sediment sorting              |                       |            | brupt ch    | nange in p  | olant cor  | nmunity           |
| ☐ Scour                       |                       |            | /Jultiple o | observed    | or pred    | icted flow events |
| ☐ Presence of wrack           | line                  | □ V        | Vater sta   | ining       |            |                   |
| Other (list):                 |                       |            |             |             |            |                   |
| ☐ Discontinuous? Ex           | xplain:               |            |             |             |            |                   |
| (iii) Chemical Characteris    | stics:                |            |             |             |            |                   |
| Characterize Tributa          | ry:                   |            |             |             |            |                   |
| Identify Specific Poll        | •                     |            |             |             |            |                   |
| identity specific roll        | atants, ii kiiowii.   |            |             |             |            |                   |
|                               |                       |            |             |             |            |                   |
|                               |                       |            |             |             |            |                   |
|                               |                       |            |             |             |            |                   |

| Feature ID: 65B   |     |
|---|-----|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |     |
| Riparian Corridor Characteristics:  |     |
| ☐ Wetland Fringe Characteristics:   |     |
| Habitat for:  |     |
| ☐ Federally Listed Species Explain:   |     |
| ☐ Fish/Spawn Areas Explain:   |     |
| ☐ Other environmentally -sensitive species  |     |
| ☐ Aquatic/Wildlife diversity Explain:   |     |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                        |     |
| (i) Physical Characteristics:   |     |
| Wetland Size (ac): Wetland Type, Explain:   |     |
| Wetland Quality, Explain:   |     |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |     |
| Wetland Flow is: Explain:   |     |
| Surface Flow is: Characteristics:   |     |
| Subsurface Flow: Explain Findings:  |     |
| ☐ Wetland Directly Abutting Non-TNW   |     |
| ☐ Wetland Not Directly Abutting Non-TNW   |     |
| ☐ Discrete wetland hydrologic connection Explain:   |     |
| ☐ Ecologcal connection Explain:   |     |
| ☐ Separated by berm/barrier Explain:  |     |
| Project Wetlands: River Miles from TNW:   |     |
| Project Wetlands: Aerial Miles from TNW:  |     |
| Flow is From:   |     |
| Approximate Location of Wetland within Floodplain:  |     |
| (ii) Chemical Characteristics:  |     |
| Characterize Wetland System:  |     |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |     |
| ☐ Riparian Buffer Explain:  |     |
| ☐ Vegetation type/percent cover. Explain:   |     |
| Habitat for:  |     |
| ☐ Federally Listed Species Explain:   |     |
| ☐ Fish/Spawn Areas Explain:   |     |
| ☐ Other environmentally-sensitive species Explain:  |     |
| ☐ Aquatic/Wildlife Diversity Explain:   |     |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                       |     |
| All wetland(s) considered in cumulative analysis:   |     |
| Wetland acres in total being considered in cumulative analysis:   |     |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions | s): |
|   |     |
|   |     |
|   |     |

| into TNW. Explaid This unnamed ephage between Powers discharges, in condownstream man possibility of a hydrical habitats with does not provide drainage does not provide | us findings for non-RPW that has no adjacent wetlands and flows directly or indirectly n:  nemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood abination with the geomorphology of the Analysis Area, the presence of a significant made impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the drologic connection between this drainage and the TNW is tenuous. No pollutants or ere identified within the Analysis Area. Additionally, this unnamed ephemeral drainage |
|--|--|
| between Powers discharges, in con downstream man possibility of a hycritical habitats w does not provide drainage does not   | Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood abination with the geomorphology of the Analysis Area, the presence of a significant made impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the drologic connection between this drainage and the TNW is tenuous. No pollutants or  |
|  | lifecycle support functions, nutrients, or organic carbon to species within the TNW. This have more than a speculative or insubstantial effect on the physical, chemical, and/or of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant W reach of the Gila River between Powers Butte and Gillespie Dam.   |
| 2. Significant nex or indirectly into  | us findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly TNW. Explain:  |
| 3. Significant nex Explain:  | us findings for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| _  | Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres  ion III D 2 (RPWs):   |
|  |  |
| ☐ Non-TNW/noi  | t flow directly or indirectly into TNWs.  n-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet): Width (feet): Acres:   |
|  | tion III D 4 (Wetlands directly abutting RPWs):  |
|  | tion III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |
| 6. Wetlands adja   | cent to non-RPWs that flow directly or indirectly into TNWs.   |
| has a significa  | cent to non-RPWs which, in combination with the tributary and other adjacent wetlands, int nexus with the TNW.  e of jurisdictional wetland (in acres):  |
|  | s of jurisdictional waters.  |
| Demonstration  | on of Jurisdiction:  |
|  | S, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 65B   |                     |                  |               |                   |                 |  |
|---|---------------------|------------------|---------------|-------------------|-----------------|--|
| As described in Section 3C2 possess a significant nexus | •                   | •                | meral draina  | ge determined tha | at it did not   |  |
| Explain finding of Other:                               |                     |                  |               |                   |                 |  |
| ✓ Non-wetland waters                                    |                     | near feet (ft),  | 33.46         | width (ft)        |                 |  |
| <ul><li>☐ Other waters</li><li>☐ Wetlands</li></ul>     |                     | cres<br>cres     |               |                   |                 |  |
| SECTION IV: DATA SOURCES                                |                     |                  |               |                   |                 |  |
| ✓ Maps, Plans, Plots or Pl                              | at Submitted by     | Applicant/Con    | sultant: Wo   | estLand Resource  | s, Inc.         |  |
| ✓ Data Sheets Prepared/S                                | Submitted on beh    | alf of Applicant |               |                   |                 |  |
| $\square$ Office Concurs with                           | delineation         |                  |               |                   |                 |  |
| ☐ Office Does Not Cor                                   | ıcur with delineat  | ion              |               |                   |                 |  |
| ☐ Data Sheets Prepared b                                | y the Corps         |                  |               |                   |                 |  |
| ☐ Corps Navigable Water                                 | Study               |                  |               |                   |                 |  |
| ☐ US Geological Survey H                                | ydrologic Atlas     |                  |               |                   |                 |  |
| ☐ USGS NHD Data   |                     |                  |               |                   |                 |  |
| ☐ USGS 8 and 12 digit                                   | t HUC Map           |                  |               |                   |                 |  |
| _   |                     |                  |               |                   |                 |  |
| ✓ US Geological Survey M                                | • • • •             |                  |               |                   |                 |  |
| Silver Reef Mounta                                      | ins SE, North Kom   | ielik, and Santa | Rosa Mount    | ains NW 7.5-Mini  | ute Quadrangles |  |
| ☐ USDA Nat'l Res Conserv                                | ation Service Soil  | Survey Citat     | ion:          |                   |                 |  |
| ☐ National Wetlands Inve                                | ntory Maps Ci       | te Map Name:     |               |                   |                 |  |
| ☐ State/Local Wetland In                                | ventory Maps        |                  |               |                   |                 |  |
| ☐ FEMA/FIR Maps   |                     |                  |               |                   |                 |  |
| ☐ 100-year Floodplain Ele                               | evation is:         |                  | (National     | Geodetic Vertical | Datum of 1929)  |  |
| Aerial Photographs (N                                   | lame and Date):     | BING, Microsof   | t Virtual Ear | th 2008           |                 |  |
| ✓ Other Photographs (N                                  | lame and Date):     | Ground Photos    | ; May 2012    |                   |                 |  |
| Previous Determination                                  | າs File No. and ເ   | Date of Respons  | se Letter:    |                   |                 |  |
| $\square$ Applicable/Supporting                         | Case Law Citatio    | on:              |               |                   |                 |  |
| Applicable/Supporting                                   | Scientific Literatu | re Citation:     |               |                   |                 |  |

Other Information, Please Specify:

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION   |     |
|---|-----|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |     |
| B. District Office and File No: Los Angeles District, File No. Pending  |     |
| C. Project Location and Background Information: Drainage Feature 65B1   |     |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties, Arizona   |     |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |     |
| Name of nearest waterbody: Unnamed Wash 65B1  |     |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam   |     |
| HUC Code: 15050306  |     |
| ✓ Map/Diagram of potential jurisdictional area is available on request  |     |
| D. Review Performed for Site Evaluation:  |     |
| Office Determination. Date:   |     |
| Field Determination. Date: 05/2012  |     |
| SECTION II: SUMMARY OF FINDINGS   |     |
| A. RHA Section 10 Determination of Jurisdiction   |     |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.   |     |
| B. CWA Section 404 Determination of Jurisdiction  |     |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.   |     |
| 1. Waters of the US:  |     |
| Linear Feet Width (ft) and/or Acres   |     |
| Limits of Jurisdiction based on:  |     |
| 2. Non-Regulated Waters/Wetlands:   |     |
| ✓ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be jurisdictional   | al: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drainage could only be considered jurisdictional if it possessed a significant nexus with a downstream TNW. This drainage does not possess a significant nexus with the downstream TNW. | !S  |
| SECTION III: CWA ANALYSIS   |     |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |     |
| 1. Identified TNW:  |     |
| Rationale for TNW determination:  |     |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |     |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS   |     |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW: 4  |     |
| Drainage Area (sq mi): 0.00152 River Miles from tributary to TNW: 30 (or more)  |     |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:  Average Annual Spowfall (in): 0. Agrical Miles from tributary to TNW: 20 (or more)  |     |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW: 30 (or more)  Aerial Miles from tributary to RPW:   |     |
| ☐ Project waters cross or serve as state boundaries. Explain:   |     |

Feature ID: 65B1

| dentify flow route to   |                              |                                    |                                     |                   |        |         |  |
|---|------------------------------|------------------------------------|-------------------------------------|-------------------|--------|---------|--|
| Jnnamed drainages was suggests the most like River.   |                              | -                                  |                                     |                   | •      |         |  |
| Tributary is: Natural   |                              | Explain:                           |                                     |                   |        |         |  |
| Average Width (ft):   | 17.29                        |                                    |                                     |                   |        |         |  |
|   | 1                            |                                    |                                     |                   |        |         |  |
| werage Depth (ft):  | 1                            |                                    |                                     |                   |        |         |  |
| verage Side Slopes:   | 2:1                          | •                                  | -                                   |                   | □Veg   | atation |  |
| Average Side Slopes: Primary tributary sub  Silts   Sands   | 2:1                          | composition<br>Cobbles<br>Other, I | Bedroc                              |                   | □ Vege | etation |  |
|   | 2:1 estrate                  | Cobbles Other, I                   | Bedroc                              |                   | □ Vege | etation |  |
| Average Side Slopes:  Primary tributary sub  Silts Sands  Concrete N                                | 2:1  strate  fuck  Stability | Other, I                           | ☐ Bedroc Explain:  Stable           |                   | □ Vege | etation |  |
| everage Side Slopes:  Primary tributary sub  ✓ Silts □ Sands  □ Concrete □ N  Tributary Condition/S | 2:1  Auck Stability e/Pool   | Other, I                           | Bedroc Explain:  Stable s. Explain: | k <b>⊻</b> Gravel | □ Vege | etation |  |

(c) Flow:

| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Ev   | ents per ye | ear:      | 2-5               |   |
|----------------------------|-----------------------|------------------|-----------|-------------|-----------|-------------------|---|
| Describe Flow Regime:      | Ephemeral             | Other Inf        | ormatic   | on Dura     | tion and  | d Volume:         |   |
| Surface Flow is:           | Confined              | Characte         | ristics:  |             |           |                   |   |
| Subsurface Flow:           | No                    | Explain:         |           |             |           |                   |   |
| Tributary Has:             |                       |                  |           |             |           |                   |   |
| ☐ Bed and Banks            |                       |                  |           |             |           |                   |   |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |           |             |           |                   |   |
| ☐ Clear, natural line      | impressed on the bank | $\square$ $\vee$ | egetati/  | on matted   | down,     | bent or absent    |   |
| Changes in soil cha        | aracter               | □ L              | eaf litte | r disturbed | d or was  | shed away         |   |
| ☐ Shelving                 |                       | □ P              | resence   | of litter a | nd debr   | ris               |   |
| ☐ Sediment deposition      | on                    | <b>✓</b> [       | estruct   | ion of terr | estrial v | egetation         |   |
| Sediment sorting           |                       |                  | brupt c   | hange in p  | lant cor  | nmunity           |   |
| ☐ Scour                    |                       |                  | /lultiple | observed    | or pred   | icted flow events | 3 |
| ☐ Presence of wrack        | line                  | □ V              | Vater st  | aining      |           |                   |   |
| Other (list):              |                       |                  |           |             |           |                   |   |
| ☐ Discontinuous? Ex        | kplain:               |                  |           |             |           |                   |   |
| (iii) Chemical Characteris | etics:                |                  |           |             |           |                   |   |
| Characterize Tributa       |                       |                  |           |             |           |                   |   |
| Identify Specific Poll     |                       |                  |           |             |           |                   |   |
| , ,                        | ,                     |                  |           |             |           |                   |   |
|                            |                       |                  |           |             |           |                   |   |
|                            |                       |                  |           |             |           |                   |   |
|                            |                       |                  |           |             |           |                   |   |

| iv) Biological Characterist   | tics. Channel supports (check all that apply):   |
|---|--|
| ☐ Riparian Corridor(  | Characteristics:   |
| ☐ Wetland Fringe Ch   | naracteristics:  |
| Habitat for:  |  |
| ☐ Federally Listed Spe  | ecies Explain:   |
| ☐ Fish/Spawn Areas  | Explain:   |
| •   | tally -sensitive species Explain:  |
| ☐ Aquatic/Wildlife div  | versity Explain:   |
|   | and a discount to man Tanat about flow discoult and discoult and discoult into Tanat                         |
| <ul><li>i) Physical Characteristics</li></ul>   | ands adjacent to non-TNW that flow directly or indirectly into TNW<br>s:                                     |
| Wetland Size (ac):  | Wetland Type, Explain:   |
| Wetland Quality, Expl   | ain:   |
| Project Wetlands Cros   | ss or Serve as State Boundaries, Explain:  |
| Wetland Flow is:  | Explain:   |
| Surface Flow is:  | Characteristics:   |
| Subsurface Flow:  | Explain Findings:  |
| ☐ Discrete wetland ☐ Ecological connect ☐ Separated by been project Wetlands: River Project Wetlands: Aer Flow is From: | tly Abutting Non-TNW d hydrologic connection Explain: ction Explain: erm/barrier Explain: er Miles from TNW: |
|   |  |
| (ii) Chemical Characteristic  |  |
| Characterize Wetland  | System:  |
| iii) Biological Characterist  | tics. Wetland supports (check all that apply):   |
| ☐ Riparian Buffer E   | explain:   |
|   | percent cover. Explain:  |
| Habitat for:  |  |
| Federally Listed S  | ·  |
| ☐ Fish/Spawn Area   | ·  |
|   | entally-sensitive species Explain:   |
|   |  |
| <ul><li>☐ Other environme</li><li>☐ Aquatic/Wildlife</li></ul>  | Diversity Explain:   |
| $\square$ Aquatic/Wildlife  | etlands adjacent to the non-TNW tributary (if any)   |
| ☐ Aquatic/Wildlife  3. Characteristics of all we  |  |
| <ul><li>Aquatic/Wildlife</li><li>Characteristics of all we All wetland(s) conside</li></ul>                             | etlands adjacent to the non-TNW tributary (if any)   |

| SIGNIFICANT NEXUS DETERMINA   | TION   |
|---|--|
| 1. Significant nexus findings for r into TNW. Explain:  | on-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gilles discharges, in combination with t downstream manmade impound possibility of a hydrologic connectical habitats were identified w does not provide lifecycle suppor drainage does not have more that biological integrity of the TNW. T | re is located more than 100 river miles from the nearest TNW, the Gila River pie Dam. An analysis of peak yearly discharges and potential flood the geomorphology of the Analysis Area, the presence of a significant ment (Tat Momolikot Dam), and the distance to the TNW, suggests that the tion between this drainage and the TNW is tenuous. No pollutants or ithin the Analysis Area. Additionally, this unnamed ephemeral drainage to functions, nutrients, or organic carbon to species within the TNW. This in a speculative or insubstantial effect on the physical, chemical, and/or neerefore, this unnamed ephemeral drainage does not possess a significant Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for or indirectly into TNW. Explain:  | non-RPW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for v Explain:  | vetlands adjacent to an RPW but that do not directly abut the RPW.   |
| ☐ TNWs: Linear ☐ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPW   | Acres  |
| 3. Non-RPWs that flow directly of   |  |
|   | dy that flows directly or indirectly into a TNW and has a signficant nexus   |
| Reserved for Section III D 4 (Web   |  |
|   | lands adjacent to but not directly abutting RPWs):   |
| ·   | Ws that flow directly or indirectly into TNWs.   |
| ☐ Wetland adjacent to non-RPV has a significant nexus with t Estimated size of jurisdiction   |  |
| 7. Impoundments of jurisdiction   | •  |
| Demonstration of Jurisdiction   |  |
| ISOLATED WATERS, INCLUDING  | SOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   |
| HICH COULD AFFECT INTERSTATI  |  |
| Supporting rationale:   |  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

# Feature ID: 65B1 As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 17.29 width (ft) 2443.58 linear feet (ft), ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ✓ Other Photographs (Name and Date): Ground Photos; May 2012 Previous Determinations File No. and Date of Response Letter: ☐ Applicable/Supporting Case Law Citation: Applicable/Supporting Scientific Literature Citation:

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION  |     |
|--|-----|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |     |
| B. District Office and File No: Los Angeles District, File No. Pending   |     |
| C. Project Location and Background Information: Drainage Feature 65B2  |     |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties, Arizona  |     |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |     |
| Name of nearest waterbody: Unnamed Wash 65B2   |     |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam  |     |
| HUC Code: 15050306   |     |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |     |
| D. Review Performed for Site Evaluation:   |     |
| Office Determination. Date:  |     |
| Field Determination. Date: 05/2012   |     |
| SECTION II: SUMMARY OF FINDINGS  |     |
| A. RHA Section 10 Determination of Jurisdiction  |     |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.  |     |
| B. CWA Section 404 Determination of Jurisdiction   |     |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.  |     |
| 1. Waters of the US:   |     |
| Linear Feet Width (ft) and/or Acres  |     |
| Limits of Jurisdiction based on:   |     |
| 2. Non-Regulated Waters/Wetlands:  |     |
| ✓ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be jurisdictional  | ıl: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drainage could only be considered jurisdictional if it possessed a significant nexus with a downstream TNW. This drainage does not possess a significant nexus with the downstream TNW.  | S   |
| SECTION III: CWA ANALYSIS  |     |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |     |
| 1. Identified TNW:   |     |
| Rationale for TNW determination:   |     |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |     |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |     |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW: 4   |     |
| Drainage Area (sq mi): 0.00098 River Miles from tributary to TNW: 30 (or more)   |     |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:  Average Annual Spowfall (in): 0. Average Annual Spowfall (in): |     |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW: 30 (or more)  Aerial Miles from tributary to RPW:  |     |
| ☐ Project waters cross or serve as state boundaries. Explain:  |     |

Feature ID: 65B2

| •   |   | ne Analysis Area are ultir<br>e of potential flow is Sar |                          |              | , |
|---|---|--|--------------------------|--------------|---|
| Tributary is: Natural   |   | Explain:   |                          |              |   |
| Average Width (ft):   | 15.44                                   |  |                          |              |   |
| verage Depth (ft):  | 1                                       |  |                          |              |   |
|   |   |  |                          |              |   |
|   | strate                                  | omposition (check all th                                 |                          | Vegetation   |   |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N   | ostrate<br>S                            | Cobbles  | at apply):<br>☑ Gravel □ | ] Vegetation |   |
| rimary tributary sub  ✓ Silts □ Sands □ Concrete □ N  Tributary Condition/  | ostrate  Muck  Stability                | Cobbles  | ✓ Gravel                 | Vegetation   |   |
| rimary tributary sub Silts Sands Concrete In ributary Condition/Stresence of Run/Riff                                     | ostrate  Muck  Stability  le/Pool       | Other, Explain:  Explain: Stable Complexes. Explain:     |                          | ☐ Vegetation |   |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  ─ Pributary Condition/Seresence of Run/Riff  ─ Tributary Geometry: | ostrate  Muck  Stability  Ie/Pool  Rela | Cobbles  | ✓ Gravel □               | Vegetation   |   |

| Tributary Provides for: Ep     |                |            |                     |            |                  |  |
|--------------------------------|----------------|------------|---------------------|------------|------------------|--|
|                                | hemeral Flow   | Average    | Flow Events per y   | ear:       | 2-5              |  |
| Describe Flow Regime: Ep       | hemeral        | Other Inf  | ormation on Dura    | ation and  | Volume:          |  |
| Surface Flow is: Co            | nfined         | Characte   | ristics:            |            |                  |  |
| Subsurface Flow: No            | )              | Explain:   |                     |            |                  |  |
| Tributary Has:                 |                |            |                     |            |                  |  |
| D Bed and Banks                |                |            |                     |            |                  |  |
| ✓ OHWM: OHWM Indica            | tors:          |            |                     |            |                  |  |
| ☐ Clear, natural line imp      |                | □ V        | egetation matted    | d down, b  | ent or absent    |  |
| ✓ Changes in soil charac       |                |            | eaf litter disturbe | -          |                  |  |
| ☐ Shelving                     |                | □ P        | resence of litter a | and debri  | S                |  |
| $\square$ Sediment deposition  |                | <b>✓</b> [ | estruction of terr  | estrial ve | getation         |  |
| Sediment sorting               |                |            | Abrupt change in p  | olant com  | munity           |  |
| ☐ Scour                        |                |            | Aultiple observed   | or predi   | cted flow events |  |
| ☐ Presence of wrack line       | 9              | □ V        | Vater staining      |            |                  |  |
| Other (list):                  |                |            |                     |            |                  |  |
| ☐ Discontinuous? Expla         | in:            |            |                     |            |                  |  |
| (iii) Chemical Characteristics | ••             |            |                     |            |                  |  |
|                                | <b>'•</b>      |            |                     |            |                  |  |
| Characterize Tributary:        |                |            |                     |            |                  |  |
|                                | nts, if known: |            |                     |            |                  |  |

| Feature ID: 65B2  |  |
|---|--|
| iv) Biological Characteristics. C   | hannel supports (check all that apply):  |
| ☐ Riparian Corridor Chara   | cteristics:  |
| ☐ Wetland Fringe Characte   | eristics:  |
| Habitat for:  |  |
| ☐ Federally Listed Species  | Explain:   |
| ☐ Fish/Spawn Areas  | Explain:   |
| Other environmentally -s  | ·  |
| ☐ Aquatic/Wildlife diversity  | / Explain:   |
|   | discount of the state of the st |
| i) Physical Characteristics:  | djacent to non-TNW that flow directly or indirectly into TNW   |
| Wetland Size (ac):  | Wetland Type, Explain:   |
| Wetland Quality, Explain:   |  |
| Project Wetlands Cross or S   | Serve as State Boundaries, Explain:  |
| Wetland Flow is:  | Explain:   |
| Surface Flow is:  | Characteristics:   |
| Subsurface Flow:  | Explain Findings:  |
| <ul><li>☐ Wetland Directly Abuttin</li><li>☐ Wetland Not Directly About Directly</li></ul> |  |
| $\square$ Discrete wetland hydr   | ologic connection Explain:   |
| $\square$ Ecologcal connection  | Explain:   |
| $\square$ Separated by berm/ba  | ırrier Explain:  |
| Project Wetlands: River Mil   |  |
| Project Wetlands: Aerial Mi   | les from TNW:  |
| Flow is From:   |  |
| Approximate Location of W   | etland within Floodplain:  |
| ii) Chemical Characteristics:   |  |
| Characterize Wetland Syste  | m:   |
| iii) Riological Characteristics M   | Vetland supports (check all that apply):   |
| Riparian Buffer Explain   |  |
| ☐ Vegetation type/percen  |  |
| Habitat for:  | COVET. Expiaiti.   |
| Federally Listed Specie   | es Explain:  |
| ☐ Fish/Spawn Areas Exp  |  |
| ☐ Other environmentally   |  |
| ☐ Aquatic/Wildlife Diver  | ·  |
|   | ,  |
|   | ds adjacent to the non-TNW tributary (if any)  |
| All wetland(s) considered in  | · · · · · · · · · · · · · · · · · · ·  |
|   | g considered in cumulative analysis:   |
| Describe each wetland (dire   | ectly abuts tributary?; size in acres; overall biological, chemical or physical functions  |
|   |  |

| . SIGNIFICANT NEXU   | JS DETERMINATION   |
|--|--|
| 1. Significant nexuinto TNW. Explain   | s findings for non-RPW that has no adjacent wetlands and flows directly or indirectly a:   |
| between Powers B<br>discharges, in com<br>downstream mann<br>possibility of a hyd<br>critical habitats we<br>does not provide li<br>drainage does not<br>biological integrity  | emeral drainage is located more than 100 river miles from the nearest TNW, the Gila River Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood bination with the geomorphology of the Analysis Area, the presence of a significant made impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the trologic connection between this drainage and the TNW is tenuous. No pollutants or ere identified within the Analysis Area. Additionally, this unnamed ephemeral drainage ifecycle support functions, nutrients, or organic carbon to species within the TNW. This have more than a speculative or insubstantial effect on the physical, chemical, and/or of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant W reach of the Gila River between Powers Butte and Gillespie Dam.  |
| 2. Significant next or indirectly into 1   | us findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly INW. Explain:  |
| 3. Significant nexu<br>Explain:  | is findings for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| 1. TNWs and Adja   | S OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE cent Wetlands  |
| 1. TNWs and Adjac  | cent Wetlands  Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres   |
| 1. TNWs and Adjace TNWs: Wetlands adjace Reserved for Section  | cent Wetlands  Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres   |
| 1. TNWs and Adjace  TNWs:  Wetlands adjace Reserved for Section 3. Non-RPWs that  Non-TNW/non with a TNW, ar   | Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres  on III D 2 (RPWs):  aflow directly or indirectly into TNWs.  -RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.   |
| 1. TNWs and Adjace  TNWs:  Wetlands adjace Reserved for Section 3. Non-RPWs that  Non-TNW/non with a TNW, ar Length (Linear  | Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres  on III D 2 (RPWs):  aflow directly or indirectly into TNWs.  -RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet): Width (feet): Acres:  |
| 1. TNWs and Adjace TNWs: Wetlands adjace Reserved for Section 3. Non-RPWs that Non-TNW/non with a TNW, are Length (Linear Reserved for Section   | Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres  on III D 2 (RPWs):  aflow directly or indirectly into TNWs.  -RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet): Width (feet): Acres:  |
| 1. TNWs and Adjace TNWs: Wetlands adjace Reserved for Section 3. Non-RPWs that Non-TNW/non with a TNW, ar Length (Linear Reserved for Section Reserved for Section   | Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres  on III D 2 (RPWs):  aflow directly or indirectly into TNWs.  -RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet): Width (feet): Acres:  ion III D 4 (Wetlands directly abutting RPWs):  ion III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |
| 1. TNWs and Adjace TNWs: Wetlands adjace Reserved for Section 3. Non-RPWs that Non-TNW/non with a TNW, are Length (Linear Reserved for Section Reserved for Section Reserved for Section Wetlands adjace has a significant   | Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres  on III D 2 (RPWs):  aflow directly or indirectly into TNWs.  -RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet): Width (feet): Acres:  |
| 1. TNWs and Adjace TNWs: Wetlands adjace Reserved for Section 3. Non-RPWs that Non-TNW/non with a TNW, are Length (Linear Reserved for Section Reserved for Section Reserved for Section Wetlands adjace has a significant Estimated size  | Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres  acent to modificate flows directly into TNWs.  acent to modificate flows directly or indirectly into a TNW and has a significant nexus and is therfore jurisdictional.  Feet): Acres: |
| 1. TNWs and Adjace TNWs: Wetlands adjace Reserved for Section 3. Non-RPWs thate Non-TNW/non with a TNW, are Length (Linear Reserved for Section Reserved for Reserved for Section Reserved for Section Reserved for Reser | Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres  on III D 2 (RPWs):  aflow directly or indirectly into TNWs.  -RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet): Width (feet): Acres:  ion III D 4 (Wetlands directly abutting RPWs):  ion III D 5 (Wetlands adjacent to but not directly abutting RPWs):  cent to non-RPWs that flow directly or indirectly into TNWs.  eent to non-RPWs which, in combination with the tributary and other adjacent wetlands, and nexus with the TNW.  e of jurisdictional wetland (in acres):   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

# Feature ID: 65B2 As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 1775.97 linear feet (ft), 15.44 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ✓ Other Photographs (Name and Date): Ground Photos; May 2012 Previous Determinations File No. and Date of Response Letter: ☐ Applicable/Supporting Case Law Citation:

Applicable/Supporting Scientific Literature Citation:

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION   |       |
|---|-------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |       |
| B. District Office and File No: Los Angeles District, File No. Pending  |       |
| C. Project Location and Background Information: Drainage Feature 65B3   |       |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties, Arizona   |       |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |       |
| Name of nearest waterbody: Unnamed Wash 65B3  |       |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam  HUC Code: 15050306   |       |
| ✓ Map/Diagram of potential jurisdictional area is available on request  |       |
|   |       |
| D. Review Performed for Site Evaluation:  |       |
| Office Determination. Date:  Field Determination. Date: 05/2012   |       |
|   |       |
| SECTION II: SUMMARY OF FINDINGS   |       |
| A. RHA Section 10 Determination of Jurisdiction   |       |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.   |       |
| B. CWA Section 404 Determination of Jurisdiction  |       |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.   |       |
| 1. Waters of the US:  |       |
| Linear Feet Width (ft) and/or Acres   |       |
| Limits of Jurisdiction based on:  |       |
| 2. Non-Regulated Waters/Wetlands:   |       |
| ✓ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be jurisdicti   | onal: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drainage could only considered jurisdictional if it possessed a significant nexus with a downstream TNW. This drainage not possess a significant nexus with the downstream TNW. |       |
| SECTION III: CWA ANALYSIS   |       |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |       |
| 1. Identified TNW:  |       |
| Rationale for TNW determination:  |       |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |       |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS   |       |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW: 4  |       |
| Drainage Area (sq mi): 0.00469 River Miles from tributary to TNW: 30 (or more)  |       |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:  |       |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW: 30 (or more)  Aerial Miles from tributary to RPW:   |       |
| ☐ Project waters cross or serve as state boundaries. Explain:   |       |

Feature ID: 65B3

| Tributary is: Natural Explain:  Average Width (ft): 24.03  Average Depth (ft): 1  Average Side Slopes: 2:1  Primary tributary substrate composition (check all that apply):  ✓ Silts □ Sands □ Cobbles □ Bedrock ✓ Gravel □ Vegetation  □ Concrete □ Muck Other, Explain: | _   |   | s Area are ultimately tributary to the Santa Rosa Wash. Topography<br>ntial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|---|---|---|--|
| Average Depth (ft): 1  Average Side Slopes: 2:1  Primary tributary substrate composition (check all that apply):  ✓ Silts □ Sands □ Cobbles □ Bedrock ✓ Gravel □ Vegetation   | utary is: Natural   | Explain:  |  |
| Average Side Slopes: 2:1  Primary tributary substrate composition (check all that apply):  ✓ Silts □ Sands □ Cobbles □ Bedrock ✓ Gravel □ Vegetation  | age Width (ft):   | 24.03   |  |
| Primary tributary substrate composition (check all that apply):  ✓ Silts □ Sands □ Cobbles □ Bedrock ✓ Gravel □ Vegetation  | age Depth (ft):   | 1   |  |
| ✓ Silts ☐ Sands ☐ Cobbles ☐ Bedrock ✓ Gravel ☐ Vegetation   | age Side Slopes:  | 2:1   |  |
| Tributary Condition/Stability. Explain: Stable  |   | -   |  |
| Presence of Run/Riffle/Pool Complexes. Explain: Not Present   | ilts   Sands  Soncrete   M                                | ☐ Cobbles   | ☐ Bedrock ☑ Gravel ☐ Vegetation  Explain:  |
| Tributary Geometry: Relatively Straight   | ilts Sands concrete Mutary Condition/Si                   | ☐ Cobbles  luck Other, Ex  tability. Explain:                   | ☐ Bedrock ☑ Gravel ☐ Vegetation  Explain:  Stable  |
| Tributary Gradient (approximate average slope): 2%  | ilts Sands Concrete Mutary Condition/Sience of Run/Riffle | ☐ Cobbles  luck Other, Ex  tability. Explain: e/Pool Complexes. | ☐ Bedrock ☑ Gravel ☐ Vegetation  Explain:  Stable  S. Explain: Not Present   |

| (c) Flow:                  |                       |            |                               |            |                  |  |
|----------------------------|-----------------------|------------|-------------------------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average    | Flow Events per y             | ear:       | 2-5              |  |
| Describe Flow Regime:      | Ephemeral             | Other Inf  | ormation on Dur               | ation and  | l Volume:        |  |
| Surface Flow is:           | Confined              | Characte   | ristics:                      |            |                  |  |
| Subsurface Flow:           | No                    | Explain:   |                               |            |                  |  |
| Tributary Has:             |                       |            |                               |            |                  |  |
|                            |                       |            |                               |            |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:             |            |                               |            |                  |  |
|                            | impressed on the bank | □ \        | egetation matte               | d down, l  | pent or absent   |  |
| ✓ Changes in soil cha      | •                     |            | eaf litter disturbe           |            |                  |  |
| ☐ Shelving                 |                       | □ P        | Presence of litter            | and debr   | is               |  |
| ☐ Sediment deposition      | on                    | ✓ [        | Destruction of ter            | restrial v | egetation        |  |
| Sediment sorting           |                       |            | Abrupt change in <sub>I</sub> | plant con  | nmunity          |  |
| ☐ Scour                    |                       |            | Multiple observed             | l or predi | cted flow events |  |
| ☐ Presence of wrack        | line                  | □ <b>v</b> | Water staining                |            |                  |  |
| Other (list):              |                       |            |                               |            |                  |  |
| ☐ Discontinuous? Ex        | kplain:               |            |                               |            |                  |  |
| (iii) Chemical Characteris | tice.                 |            |                               |            |                  |  |
| •                          |                       |            |                               |            |                  |  |
| Characterize Tributa       | •                     |            |                               |            |                  |  |
| Identify Specific Poll     | utants, if known:     |            |                               |            |                  |  |
|                            |                       |            |                               |            |                  |  |
|                            |                       |            |                               |            |                  |  |
|                            |                       |            |                               |            |                  |  |
|                            |                       |            |                               |            |                  |  |

| Feature ID: 65B3                       |   |
|--|---|
| (iv) Biological Characterist           | ics. Channel supports (check all that apply):   |
| ☐ Riparian Corridor(                   | Characteristics:  |
| ☐ Wetland Fringe Ch                    | aracteristics:  |
| Habitat for:                           |   |
| ☐ Federally Listed Spe                 |   |
| ☐ Fish/Spawn Areas                     | Explain:  |
|  | ally -sensitive species Explain:  |
| ☐ Aquatic/Wildlife div                 | rersity Explain:  |
| 2. Characteristics of wetla            | nds adjacent to non-TNW that flow directly or indirectly into TNW                               |
| (i) Physical Characteristics           |   |
| Wetland Size (ac):                     | Wetland Type, Explain:  |
| Wetland Quality, Expla                 | ain:  |
|  | s or Serve as State Boundaries, Explain:  |
| Wetland Flow is:                       | Explain:  |
| Surface Flow is:                       | Characteristics:  |
| Subsurface Flow:                       | Explain Findings:   |
| ☐ Wetland Directly Al                  | outting Non-TNW   |
| ☐ Wetland Not Direct                   |   |
|  | hydrologic connection Explain:  |
| ☐ Ecologcal connec                     |   |
| ☐ Separated by bei                     |   |
| Project Wetlands: Rive                 |   |
| Project Wetlands: Aer<br>Flow is From: | al Miles from TNW:  |
|  | of Wetland within Floodplain:   |
|  |   |
| (ii) Chemical Characteristic           |   |
| Characterize Wetland                   | System:   |
| (iii) Biological Characterist          | ics. Wetland supports (check all that apply):   |
| ☐ Riparian Buffer E                    | xplain:   |
| ,, ,,                                  | ercent cover. Explain:  |
| Habitat for:                           | Secretary Francisco   |
| ☐ Federally Listed S☐ Fish/Spawn Area  |   |
| •                                      | entally-sensitive species Explain:  |
| ☐ Aquatic/Wildlife                     |   |
|  |   |
|  | etlands adjacent to the non-TNW tributary (if any)  |
| • •                                    | red in cumulative analysis:   |
|  | being considered in cumulative analysis:  |
| Describe each wetland                  | (directly abuts tributary?; size in acres; overall biological, chemical or physical functions): |
|  |   |
|  |   |

| . SIGNIFICANT NEXUS DETERMI  | NATION  |
|--|---|
| 1. Significant nexus findings for into TNW. Explain:   | or non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gil<br>discharges, in combination wit<br>downstream manmade impour<br>possibility of a hydrologic conficial habitats were identified<br>does not provide lifecycle supply<br>drainage does not have more a<br>biological integrity of the TNW | hage is located more than 100 river miles from the nearest TNW, the Gila River lespie Dam. An analysis of peak yearly discharges and potential flood h the geomorphology of the Analysis Area, the presence of a significant indirection distance to the TNW, suggests that the nection between this drainage and the TNW is tenuous. No pollutants or diswithin the Analysis Area. Additionally, this unnamed ephemeral drainage port functions, nutrients, or organic carbon to species within the TNW. This than a speculative or insubstantial effect on the physical, chemical, and/or in Therefore, this unnamed ephemeral drainage does not possess a significant the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for indirectly into TNW. Explai  | or non-RPW and its adjacent wetlands, where the non-RPW flows directly n:   |
| 3. Significant nexus findings for Explain:   | or wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| ☐ TNWs: Line ☐ Wetlands adjacent to TNV Reserved for Section III D 2 (RI   |   |
| 3. Non-RPWs that flow direct   | ly or indirectly into TNWs.   |
|  | body that flows directly or indirectly into a TNW and has a signficant nexus  |
| Reserved for Section III D 4 (V  | Vetlands directly abutting RPWs):   |
| Reserved for Section III D 5 (V  | Vetlands adjacent to but not directly abutting RPWs):   |
| 6. Wetlands adjacent to non-   | RPWs that flow directly or indirectly into TNWs.  |
| ☐ Wetland adjacent to non-<br>has a significant nexus wit<br>Estimated size of jurisdicti  |   |
| 7. Impoundments of jurisdict   | ional waters.   |
| Demonstration of Jurisdic  | tion:   |
| . ISOLATED WATERS, INCLUDIN VHICH COULD AFFECT INTERST   | IG ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF ATE COMMERCE   |
| Supporting rationale:  |   |
| Length (linear feet):  | Acres:  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

# Feature ID: 65B3 As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 5441.77 linear feet (ft), 24.03 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ✓ Other Photographs (Name and Date): Ground Photos; May 2012 Previous Determinations File No. and Date of Response Letter:

☐ Applicable/Supporting Case Law Citation:

Other Information, Please Specify: Additional Comments to Support JD:

Applicable/Supporting Scientific Literature Citation:

| SECTION I: BACKGROUND INFORMATION   |                   |
|---|-------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |                   |
| B. District Office and File No: Los Angeles District, File No. Pending  |                   |
| C. Project Location and Background Information: Drainage Feature 65B3A  |                   |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties, Arizo   | na                |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |                   |
| Name of nearest waterbody: Unnamed Wash 65B3A   |                   |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam   |                   |
| HUC Code: 15050306  |                   |
| ✓ Map/Diagram of potential jurisdictional area is available on request  |                   |
| D. Review Performed for Site Evaluation:  |                   |
| Office Determination. Date:   |                   |
| Field Determination. Date: 05/2012  |                   |
| SECTION II: SUMMARY OF FINDINGS   |                   |
| A. RHA Section 10 Determination of Jurisdiction   |                   |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.   |                   |
| B. CWA Section 404 Determination of Jurisdiction  |                   |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.   |                   |
| 1. Waters of the US:  |                   |
| Linear Feet Width (ft) and/or Acres   |                   |
| Limits of Jurisdiction based on:  |                   |
| 2. Non-Regulated Waters/Wetlands:   |                   |
| ✓ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be  | e jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drainage considered jurisdictional if it possessed a significant nexus with a downstream TNW. This not possess a significant nexus with the downstream TNW. | •                 |
| SECTION III: CWA ANALYSIS   |                   |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |                   |
| 1. Identified TNW:  |                   |
| Rationale for TNW determination:  |                   |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |                   |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS   |                   |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW: 4  |                   |
|   | (or more)         |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:  Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW: 30  | (or more)         |
| Aerial Miles from tributary to RPW:   | (5) 111010/       |
| ☐ Project waters cross or serve as state boundaries. Explain:   |                   |

Feature ID: 65B3A

| eature ID: 65B3A   |   |   |
|--|---|---|
| Identify flow route to   | TNW:  |   |
| Unnamed drainages v  | vithin the Analysis Area  | are ultimately tributary to the Santa Rosa Wash. Topography<br>ow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural Average Width (ft): Average Depth (ft): Average Side Slopes: | Explain: 22.65<br>1<br>2:1  |   |
| Primary tributary sub  | strate composition (che   | ck all that apply):   |
| ✓ Silts ☐ Sands  | ☐ Cobbles ☐ B   | Bedrock 🗹 Gravel 🗌 Vegetation   |
| ☐ Concrete ☐ M   | luck Other, Explain:  | :   |
| Tributary Geometry:  | tability. Explain: Stable/Pool Complexes. Explain Relatively Straight oproximate average slop | ain: Not Present  |
|  |   |   |
|  |   |   |
|  |   |   |
|  |   |   |
|  |   |   |
|  |   |   |
| c) Flow:<br>Fributary Provides for:  | Ephemeral Flow  | Average Flow Events per year: 2-5   |
|  | ·   | Average Flow Events per year: 2-5 Other Information on Duration and Volume:   |
| Tributary Provides for:  | ·   |   |

Tributary Has: ☐ Bed and Banks ✓ OHWM: OHWM Indicators: ☐ Clear, natural line impressed on the bank ☐ Vegetation matted down, bent or absent ✓ Changes in soil character ☐ Leaf litter disturbed or washed away ☐ Shelving ☐ Presence of litter and debris ☐ Sediment deposition **✓** Destruction of terrestrial vegetation ✓ Sediment sorting ☐ Abrupt change in plant community ☐ Scour ☐ Multiple observed or predicted flow events ☐ Presence of wrack line ☐ Water staining Other (list): ☐ Discontinuous? Explain: (iii) Chemical Characteristics: Characterize Tributary: Identify Specific Pollutants, if known:

| Feature ID: 65B3A   |   |
|---|---|
| (iv) Biological Characteristics. Channel sup  | pports (check all that apply):  |
| ☐ Riparian Corridor Characteristics: ☐ Wetland Fringe Characteristics:  |   |
| Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally -sensitive space Aquatic/Wildlife diversity Explain:  | ·   |
|   | o non-TNW that flow directly or indirectly into TNW                                 |
| (i) Physical Characteristics:  Wetland Size (ac):  Wetland Quality, Explain:  Project Wetlands Cross or Serve as Sta  | Wetland Type, Explain:  |
| Wetland Flow is: Surface Flow is:   | Explain: Characteristics:   |
| Subsurface Flow:  | Explain Findings:   |
| □ Wetland Directly Abutting Non-TNV     □ Wetland Not Directly Abutting Non     □ Discrete wetland hydrologic con     □ Ecological connection Explain:     □ Separated by berm/barrier Expl     Project Wetlands: River Miles from TN     Project Wetlands: Aerial Miles from T     Flow is From:     Approximate Location of Wetland wit  (ii) Chemical Characteristics: | nection Explain: ain: NW: NW:   |
| Characterize Wetland System:  |   |
| (iii) Biological Characteristics. Wetland su  Riparian Buffer Explain: Vegetation type/percent cover. Explaint for: Federally Listed Species Explaint Fish/Spawn Areas Explaint Other environmentally-sensitive Aquatic/Wildlife Diversity Expl   | species Explain:  |
| 3. Characteristics of all wetlands adjacen  | t to the non-TNW tributary (if any)   |
| All wetland(s) considered in cumulative Wetland acres in total being considered Describe each wetland (directly abuts   | ·   |
| Describe each wetland full ectly abuts  | and all y . , Size in deres, everall biological, elicinical of physical functions). |

| SIGNIFICANT NEXUS DETERMINATION  | ON   |
|--|--|
| 1. Significant nexus findings for non into TNW. Explain:   | n-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gillespie discharges, in combination with the downstream manmade impoundme possibility of a hydrologic connectio critical habitats were identified with does not provide lifecycle support fudrainage does not have more than a biological integrity of the TNW. There  | Is located more than 100 river miles from the nearest TNW, the Gila River of Dam. An analysis of peak yearly discharges and potential flood geomorphology of the Analysis Area, the presence of a significant ent (Tat Momolikot Dam), and the distance to the TNW, suggests that the n between this drainage and the TNW is tenuous. No pollutants or ain the Analysis Area. Additionally, this unnamed ephemeral drainage functions, nutrients, or organic carbon to species within the TNW. This is a speculative or insubstantial effect on the physical, chemical, and/or refore, this unnamed ephemeral drainage does not possess a significant la River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for nor or indirectly into TNW. Explain:   | n-RPW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for we Explain:  | tlands adjacent to an RPW but that do not directly abut the RPW.   |
|  |  |
|  | NAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
|  | et Width (ft), Or, Acres   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe  Wetlands adjacent to TNWs:   | et Width (ft), Or, Acres   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or i  Non-TNW/non-RPW waterbody with a TNW, and is therfore juris   | et Width (ft), Or, Acres  Acres  ndirectly into TNWs. that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or i  Non-TNW/non-RPW waterbody with a TNW, and is therfore juris Length (Linear Feet):   | et Width (ft), Or, Acres  Acres  ndirectly into TNWs. that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet): Acres:  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or i  Non-TNW/non-RPW waterbody with a TNW, and is therfore juris Length (Linear Feet):  Reserved for Section III D 4 (Wetlands)  | et Width (ft), Or, Acres  Acres  ndirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet): Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or i  Non-TNW/non-RPW waterbody with a TNW, and is therfore juris Length (Linear Feet):  Reserved for Section III D 4 (Wetlar Reserved for Section III D 5 (Wetlar | et Width (ft), Or, Acres  Acres  Indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus solictional.  Width (feet): Acres:  Inds directly abutting RPWs):  Inds adjacent to but not directly abutting RPWs):   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fe Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs): 3. Non-RPWs that flow directly or i Non-TNW/non-RPW waterbody with a TNW, and is therfore juris Length (Linear Feet): Reserved for Section III D 4 (Wetlar Reserved for Section III D 5 (Wetlar 6. Wetlands adjacent to non-RPWs  | et Width (ft), Or, Acres  Acres  ndirectly into TNWs. that flows directly or indirectly into a TNW and has a significant nexus sdictional.  Width (feet): Acres:  nds directly abutting RPWs): nds adjacent to but not directly abutting RPWs): s that flow directly or indirectly into TNWs.  |
| 1. TNWs and Adjacent Wetlands  ☐ TNWs: Linear Fe ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or i ☐ Non-TNW/non-RPW waterbody with a TNW, and is therfore jurist Length (Linear Feet):  Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland Beserved for Section  | et Width (ft), Or, Acres  Acres  ndirectly into TNWs. that flows directly or indirectly into a TNW and has a signficant nexus sdictional. Width (feet): Acres:  nds directly abutting RPWs): nds adjacent to but not directly abutting RPWs): s that flow directly or indirectly into TNWs. which, in combination with the tributary and other adjacent wetlands, TNW.   |
| 1. TNWs and Adjacent Wetlands  ☐ TNWs:   | et Width (ft), Or, Acres  Acres  Indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet): Acres:  Inds directly abutting RPWs): Inds adjacent to but not directly abutting RPWs): Is that flow directly or indirectly into TNWs.  Which, in combination with the tributary and other adjacent wetlands, TNW.  Wetland (in acres):   |
| 1. TNWs and Adjacent Wetlands  ☐ TNWs: Linear Fe ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or i ☐ Non-TNW/non-RPW waterbody with a TNW, and is therfore jurist Length (Linear Feet):  Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland Beserved for Section  | et Width (ft), Or, Acres  Acres  Indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus sdictional.  Width (feet): Acres:  Inds directly abutting RPWs): Inds adjacent to but not directly abutting RPWs): Is that flow directly or indirectly into TNWs.  Which, in combination with the tributary and other adjacent wetlands, TNW.  Wetland (in acres):   |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

# Feature ID: 65B3A As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 2981.27 linear feet (ft), 22.65 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008

✓ Other Photographs (Name and Date): Ground Photos; May 2012☐ Previous Determinations File No. and Date of Response Letter:

☐ Applicable/Supporting Case Law Citation:

Other Information, Please Specify: Additional Comments to Support JD:

Applicable/Supporting Scientific Literature Citation:

| A. Report Completion Date for App   | roved Jurisdictional Determination:   | 07/30/2012                                 |                     |
|---|---|--|---------------------|
| B. District Office and File No: Los   |   | 31,733,232                                 |                     |
| C. Project Location and Background  | d Information: Drainage Feature   | 55B3A1                                     |                     |
| City, County, State Sif Oidak Dis   | strict, Tohono O'odham Nation, Pima   | and Pinal Counties, A                      | Arizona             |
| Center coordinates of site: Lat.  | 32.5073 Long111.910   | 0  |                     |
| Name of nearest waterbody: Uni  | named Wash 65B3A1   |  |                     |
| Name of nearest downstream TNV  | N: Gila River between Powers Butto  | e and Gillespie Dam                        |                     |
| HUC Code: 15050306  |   |  |                     |
| ✓ Map/Diagram of potential jurise   | dictional area is available on request  |  |                     |
| D. Review Performed for Site Evalu  | ation:  |  |                     |
| Office Determination. Date:   |   |  |                     |
| Field Determination. Date: 05/2   | 2012  |  |                     |
| SECTION II: SUMMARY OF FINDING  | GS  |  |                     |
| A. RHA Section 10 Determination   |   |  |                     |
|   | s of the U.S." within RHA jurisdiction  | in the review area.                        |                     |
| B. CWA Section 404 Determination  | n of Jurisdiction   |  |                     |
| There Are No "waters of the   | ne U.S." within CWA jurisdiction in th  | e review area.                             |                     |
| 1. Waters of the US:  |   |  |                     |
| Linear Feet   | Width (ft) and/or   | Acres                                      |                     |
| Limits of Jurisdiction based on:  |   |  |                     |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol> | lands:<br>ters and/or wetlands were assessed  | and determined not                         | to be jurisdictiona |
| considered jurisdictional if  | does not qualify as a TNW or RPW. It possessed a significant nexus with exus with the downstream TNW. | -  | •                   |
| SECTION III: CWA ANALYSIS   |   |  |                     |
| A. TNWs AND WETLANDS ADJACE   | INT TO TNWs   |  |                     |
| 1. Identified TNW:  |   |  |                     |
| Rationale for TNW determinat  | ion:  |  |                     |
| 2 Pationals for conclusion tha  | t any watlands procent are "adjacen   | <b>+</b> ".                                |                     |
| 2. Nationale for conclusion tha   | t any wetlands present are "adjacen   | ι.   |                     |
|   | W TRIBUTARY AND ITS ADJACENT WI   |  |                     |
| TNW Watershed Size (sq mi):   | 49650 Tributaries flow  |  | 4<br>30 (or more)   |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                  |   | n tributary to TNW:<br>n tributary to RPW: | 30 (or more)        |
| Average Annual Snowfall (in):   |   | m tributary to TNW:                        | 30 (or more)        |
|   |   | m tributary to RPW:                        | - (,                |
| ☐ Project waters cross or serv  | ve as state boundaries. Explain:  |  |                     |

Feature ID: 65B3A1

| Identify flow route to   | TNW:                  |  |
|--|-----------------------|--|
| Unnamed drainages v  | within the Analysis A | rea are ultimately tributary to the Santa Rosa Wash. Topography I flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural  | Explain:              |  |
| Average Width (ft):  | 13.33                 |  |
| Average Depth (ft):  | 1                     |  |
| Average Side Slopes:   | 2:1                   |  |
| Primary tributary sub  | strate composition (  | check all that apply):   |
| ✓ Silts ☐ Sands  | G □ Cobbles □         | ☐ Bedrock   ☑ Gravel   ☐ Vegetation  |
| ☐ Concrete ☐ N   | Muck Other, Expl      | ain:   |
| Tributary Condition/S  | Stability Evolain: Ct | rable  |
| Presence of Run/Riffl  |                       |  |
| Tributary Geometry:  | Relatively Straight   | •  |
| Tributary Gradient (a  | , ,                   |  |
|  |                       |  |
|  |                       |  |
| <u>c) Flow:</u><br>Tributary Provides for:                           | Ephemeral Flow        | Average Flow Events per year: 2-5  |
| Tributary Provides for:  | · ·                   | Average Flow Events per year: 2-5 Other Information on Duration and Volume:  |
|  | · ·                   | Average Flow Events per year: 2-5 Other Information on Duration and Volume: Characteristics:                                 |
| Tributary Provides for:<br>Describe Flow Regime:                     | Ephemeral             | Other Information on Duration and Volume:  |
| Tributary Provides for:<br>Describe Flow Regime:<br>Surface Flow is: | Ephemeral<br>Confined | Other Information on Duration and Volume: Characteristics:   |

☐ Clear, natural line impressed on the bank ☐ Vegetation matted down, bent or absent ✓ Changes in soil character ☐ Leaf litter disturbed or washed away ☐ Shelving ☐ Presence of litter and debris ☐ Sediment deposition **✓** Destruction of terrestrial vegetation ✓ Sediment sorting ☐ Abrupt change in plant community ☐ Scour ☐ Multiple observed or predicted flow events ☐ Presence of wrack line ☐ Water staining Other (list): ☐ Discontinuous? Explain: (iii) Chemical Characteristics: Characterize Tributary: Identify Specific Pollutants, if known:

| Feature ID: 65B3A1  |                        |
|---|------------------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |                        |
| Riparian Corridor Characteristics:  |                        |
| ☐ Wetland Fringe Characteristics:   |                        |
| Habitat for:  |                        |
| Federally Listed Species Explain:   |                        |
| ☐ Fish/Spawn Areas Explain:   |                        |
| <ul><li>☐ Other environmentally -sensitive species Explain:</li><li>☐ Aquatic/Wildlife diversity Explain:</li></ul>       |                        |
|   |                        |
| <ol><li>Characteristics of wetlands adjacent to non-TNW that flow directly of</li><li>Physical Characteristics:</li></ol> | or indirectly into TNW |
| Wetland Size (ac): Wetland Type, Explain:   |                        |
| Wetland Quality, Explain:   |                        |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |                        |
| Wetland Flow is: Explain:   |                        |
| Surface Flow is: Characteristics:   |                        |
| Subsurface Flow: Explain Findings:  |                        |
| □ Wetland Not Directly Abutting Non-TNW     □ Discrete wetland hydrologic connection                                      |                        |
| (ii) Chemical Characteristics:  |                        |
| Characterize Wetland System:  |                        |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |                        |
| Riparian Buffer Explain:  |                        |
| ☐ Vegetation type/percent cover. Explain:   |                        |
| Habitat for:  |                        |
| ☐ Federally Listed Species Explain:   |                        |
| <ul><li>☐ Fish/Spawn Areas Explain:</li><li>☐ Other environmentally-sensitive species Explain:</li></ul>                  |                        |
| <ul><li>☐ Other environmentally-sensitive species Explain:</li><li>☐ Aquatic/Wildlife Diversity Explain:</li></ul>        |                        |
|   |                        |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if  | any)                   |
| All wetland(s) considered in cumulative analysis:   |                        |
| Wetland acres in total being considered in cumulative analysis:   |                        |

| . SIGNIFICANT NEXUS DETERMINATION   |  |
|---|--|
| 1. Significant nexus findings for non-RPW that has into TNW. Explain:   | s no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gillespie Dam. An analy discharges, in combination with the geomorpholog downstream manmade impoundment (Tat Momoli possibility of a hydrologic connection between this critical habitats were identified within the Analysis does not provide lifecycle support functions, nutrie drainage does not have more than a speculative or   | gy of the Analysis Area, the presence of a significant likot Dam), and the distance to the TNW, suggests that the drainage and the TNW is tenuous. No pollutants or Area. Additionally, this unnamed ephemeral drainage ents, or organic carbon to species within the TNW. This insubstantial effect on the physical, chemical, and/or named ephemeral drainage does not possess a significant |
| 2. Significant nexus findings for non-RPW and its a or indirectly into TNW. Explain:  | adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for wetlands adjacent Explain:  | t to an RPW but that do not directly abut the RPW.   |
|   |  |
| . DETERMINATIONS OF JURISDICTIONAL FINDINGS.  | . THE SUBJECT WATERS/WETLANDS ARE  |
| 1. TNWs and Adjacent Wetlands   |  |
| ☐ TNWs: Linear Feet   | Width (ft), Or, Acres  |
| Wetlands adjacent to TNWs:  | S  |
| D = = = d f = C = = t : = III D 2 (DD)A/=).   |  |
| Reserved for Section III D 2 (RPWs):  |  |
| 3. Non-RPWs that flow directly or indirectly into 1   | TNWs.  |
| 3. Non-RPWs that flow directly or indirectly into 1   | TNWs. ctly or indirectly into a TNW and has a signficant nexus   |
| 3. Non-RPWs that flow directly or indirectly into 1  ☐ Non-TNW/non-RPW waterbody that flows directly into 1   | ctly or indirectly into a TNW and has a signficant nexus   |
| 3. Non-RPWs that flow directly or indirectly into 1  Non-TNW/non-RPW waterbody that flows directly with a TNW, and is therfore jurisdictional.  | ctly or indirectly into a TNW and has a signficant nexus et):  Acres:  |
| 3. Non-RPWs that flow directly or indirectly into 1  Non-TNW/non-RPW waterbody that flows directly with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet)  | et): Acres: Latting RPWs):   |
| 3. Non-RPWs that flow directly or indirectly into 1  Non-TNW/non-RPW waterbody that flows directly with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet Reserved for Section III D 4 (Wetlands directly about   | etly or indirectly into a TNW and has a signficant nexus  et):  Acres:  utting RPWs):  but not directly abutting RPWs):  |
| 3. Non-RPWs that flow directly or indirectly into T  ☐ Non-TNW/non-RPW waterbody that flows directly with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet Reserved for Section III D 4 (Wetlands directly about Reserved for Section III D 5 (Wetlands adjacent to 6. Wetlands adjacent to non-RPWs that flow directly about 10 to 10 t | etly or indirectly into a TNW and has a signficant nexus  et):  Acres:  utting RPWs):  but not directly abutting RPWs):  |
| 3. Non-RPWs that flow directly or indirectly into T  ☐ Non-TNW/non-RPW waterbody that flows directly with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet)  Reserved for Section III D 4 (Wetlands directly about Reserved for Section III D 5 (Wetlands adjacent to 6. Wetlands adjacent to non-RPWs that flow directly wetlands adjacent to non-RPWs which, in combined to the section III D 5 (Wetlands adjacent to non-RPWs which, in combined to  | et): Acres:  utting RPWs): but not directly abutting RPWs): ectly or indirectly into TNWs. bination with the tributary and other adjacent wetlands,  |
| 3. Non-RPWs that flow directly or indirectly into T  ☐ Non-TNW/non-RPW waterbody that flows directly with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet Reserved for Section III D 4 (Wetlands directly about Reserved for Section III D 5 (Wetlands adjacent to 6. Wetlands adjacent to non-RPWs that flow directly wetland adjacent to non-RPWs which, in combination in the section of the  | et): Acres:  utting RPWs): but not directly abutting RPWs): ectly or indirectly into TNWs. bination with the tributary and other adjacent wetlands,  |

Non-Jurisdictional Waters:

Supporting rationale: Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

# Feature ID: 65B3A1 As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 320.73 linear feet (ft), 13.33 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)

Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008

✓ Other Photographs (Name and Date): Ground Photos; May 2012☐ Previous Determinations File No. and Date of Response Letter:

☐ Applicable/Supporting Case Law Citation:

Other Information, Please Specify: Additional Comments to Support JD:

Applicable/Supporting Scientific Literature Citation:

| Feature ID: 65B3A2  |   |
|---|---|
| ECTION I: BACKGROUND INFORM   | <u>MATION</u>   |
| Report Completion Date for App  | proved Jurisdictional Determination: 07/30/2012   |
| . District Office and File No: Los  | Angeles District, File No. Pending  |
| . Project Location and Background   | d Information: Drainage Feature 65B3A2  |
| City, County, State Sif Oidak Dis   | strict, Tohono O'odham Nation, Pima and Pinal Counties, Arizona   |
| Center coordinates of site: Lat.  | 32.5073 Long111.9100  |
| Name of nearest waterbody: Uni  | named Wash 65B3A2   |
| Name of nearest downstream TN\  | W: Gila River between Powers Butte and Gillespie Dam  |
| HUC Code: 15050306  |   |
| Map/Diagram of potential jurise   | sdictional area is available on request   |
| . Review Performed for Site Evalu   | uation:   |
| Office Determination. Date:   |   |
| Field Determination. Date: 05/2   | 2012  |
| ECTION II: SUMMARY OF FINDING   | IGS   |
| A. RHA Section 10 Determination   |   |
|   | s of the U.S." within RHA jurisdiction in the review area.  |
| B. CWA Section 404 Determination  | on of Jurisdiction  |
| There Are No "waters of the   | he U.S." within CWA jurisdiction in the review area.  |
| 1. Waters of the US:  |   |
| Linear Feet   | Width (ft) and/or Acres   |
| Limits of Jurisdiction based on:  | :   |
| 2. Non-Regulated Waters/Wet   | tlands:   |
| ✓ Potentially jurisdictional wa   | aters and/or wetlands were assessed and determined not to be jurisdic   |
| •   | d does not qualify as a TNW or RPW. Therefore, this drainage could only   |
| -   | fit possessed a significant nexus with a downstream TNW. This drainag exus with the downstream TNW.                             |
|   | EXAS WILL LIE GOWIISHEATH TIVVV.  |
| ECTION III: CWA ANALYSIS  |   |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs   |
| 1. Identified TNW:  |   |
|   | tion:   |
| Rationale for TNW determinat  |   |
| Rationale for TNW determinat  | at any wetlands present are "adjacent":   |
| Rationale for TNW determinat  2. Rationale for conclusion tha   |   |
| Rationale for TNW determinat  2. Rationale for conclusion tha   | at any wetlands present are "adjacent":  W TRIBUTARY AND ITS ADJACENT WETLANDS  49650 Tributaries flow to TNW:  4               |
| Rationale for TNW determinat  2. Rationale for conclusion tha  B. CHARACTERISTICS OF NON-TN   | W TRIBUTARY AND ITS ADJACENT WETLANDS   |
| Rationale for TNW determinat  2. Rationale for conclusion tha  B. CHARACTERISTICS OF NON-TNV  TNW Watershed Size (sq mi):                       | W TRIBUTARY AND ITS ADJACENT WETLANDS  49650 Tributaries flow to TNW:  4  |
| Rationale for TNW determinat  2. Rationale for conclusion tha  B. CHARACTERISTICS OF NON-TNV TNW Watershed Size (sq mi): Drainage Area (sq mi): | W TRIBUTARY AND ITS ADJACENT WETLANDS  49650 Tributaries flow to TNW: 4  0.00029 River Miles from tributary to TNW: 30 (or more |

| Feature ID: 65B3A2   |  |  |
|--|--|--|
| Identify flow route to   | TNW:   |  |
| Unnamed drainages v  | vithin the Analysis Area   | a are ultimately tributary to the Santa Rosa Wash. Topography ow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural Average Width (ft): Average Depth (ft): Average Side Slopes: | Explain: 17.51 1 2:1   |  |
| Primary tributary sub  | strate composition (che  | eck all that apply):   |
| ✓ Silts □ Sands  | •  | Bedrock ☑ Gravel ☐ Vegetation  |
| ☐ Concrete ☐ M   | luck Other, Explair  | <u>-</u>   |
| Tributary Geometry:  | e/Pool Complexes. Exp<br>Relatively Straight<br>oproximate average slo |  |
| (c) Flow:  |  |  |
| Tributary Provides for:  | Ephemeral Flow   | Average Flow Events per year: 2-5  |
| Describe Flow Regime:  | •  | Other Information on Duration and Volume:  |
| Surface Flow is:   | Confined   | Characteristics:   |
| Subsurface Flow:   | No   | Explain:   |
| Tributary Has:   |  |  |
| ☐ Bed and Banks  |  |  |
| OHWM: OHWM Inc   |  |  |
|  | mpressed on the bank   | ☐ Vegetation matted down, bent or absent   |
| ✓ Changes in soil cha  | racter   | <ul><li>Leaf litter disturbed or washed away</li><li>Presence of litter and debris</li></ul>                           |
| <ul><li>Shelving</li><li>Sediment deposition</li></ul>                             | an .   | <ul><li>☑ Presence of litter and debris</li><li>☑ Destruction of terrestrial vegetation</li></ul>                      |
|  | лі   | Destruction of terrestrial vegetation  |

# ✓ Changes in soil character ☐ Leaf litter disturbed or washed away ☐ Shelving ☐ Presence of litter and debris ☐ Sediment deposition ☑ Destruction of terrestrial vegetation ☑ Sediment sorting ☐ Abrupt change in plant community ☐ Scour ☐ Multiple observed or predicted flow events ☐ Presence of wrack line ☐ Water staining Other (list): ☐ Discontinuous? Explain: (iii) Chemical Characteristics: Characterize Tributary: Identify Specific Pollutants, if known:

Feature ID: 65B3A2 (iv) Biological Characteristics. Channel supports (check all that apply): Riparian Corridor Characteristics: ☐ Wetland Fringe Characteristics: Habitat for: ☐ Federally Listed Species Explain: ☐ Fish/Spawn Areas Explain: ☐ Other environmentally -sensitive species Explain: ☐ Aquatic/Wildlife diversity Explain: 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW (i) Physical Characteristics: Wetland Size (ac): Wetland Type, Explain: Wetland Quality, Explain: Project Wetlands Cross or Serve as State Boundaries, Explain: Wetland Flow is: Explain: Surface Flow is: Characteristics: Subsurface Flow: **Explain Findings:** ☐ Wetland Directly Abutting Non-TNW ☐ Wetland Not Directly Abutting Non-TNW ☐ Discrete wetland hydrologic connection Explain: ☐ Ecological connection Explain: ☐ Separated by berm/barrier Explain: Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain: (ii) Chemical Characteristics: Characterize Wetland System: (iii) Biological Characteristics. Wetland supports (check all that apply): ☐ Riparian Buffer Explain: ☐ Vegetation type/percent cover. Explain: Habitat for: ☐ Federally Listed Species Explain: ☐ Fish/Spawn Areas Explain: ☐ Other environmentally-sensitive species Explain: ☐ Aquatic/Wildlife Diversity Explain: 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any) All wetland(s) considered in cumulative analysis: Wetland acres in total being considered in cumulative analysis: Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions):

| . SIGNIFICANT NEXUS DETERMINATIO   | DN   |
|--|--|
| 1. Significant nexus findings for non-<br>into TNW. Explain:   | -RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gillespie discharges, in combination with the government of the downstream manmade impoundment possibility of a hydrologic connection critical habitats were identified within does not provide lifecycle support further drainage does not have more than a biological integrity of the TNW. There   | Dam. An analysis of peak yearly discharges and potential flood geomorphology of the Analysis Area, the presence of a significant at (Tat Momolikot Dam), and the distance to the TNW, suggests that the between this drainage and the TNW is tenuous. No pollutants or an the Analysis Area. Additionally, this unnamed ephemeral drainage nctions, nutrients, or organic carbon to species within the TNW. This speculative or insubstantial effect on the physical, chemical, and/or effore, this unnamed ephemeral drainage does not possess a significant a River between Powers Butte and Gillespie Dam.  |
| 2. Significant nexus findings for non-<br>or indirectly into TNW. Explain:   | -RPW and its adjacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for wet Explain:   | lands adjacent to an RPW but that do not directly abut the RPW.  |
|  |  |
| . DETERMINATIONS OF JURISDICTION   | IAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| . DETERMINATIONS OF JURISDICTION  1. TNWs and Adjacent Wetlands  | IAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
|  | •  |
| 1. TNWs and Adjacent Wetlands  | •  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fee  | et Width (ft), Or, Acres   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fee  Wetlands adjacent to TNWs:  | et Width (ft), Or, Acres Acres   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fee Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in  | Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fee  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in  Non-TNW/non-RPW waterbody to  | Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fee Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in Won-TNW/non-RPW waterbody the with a TNW, and is therfore jurisce.   | Acres  Acres  Addirectly into TNWs.  Chat flows directly or indirectly into a TNW and has a signficant nexus dictional.  Width (feet):  Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fee  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in Non-TNW/non-RPW waterbody twith a TNW, and is therfore juriso Length (Linear Feet):  Reserved for Section III D 4 (Wetlands)   | Acres  Acres  Addirectly into TNWs.  Chat flows directly or indirectly into a TNW and has a signficant nexus dictional.  Width (feet):  Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fee  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in With a TNW, and is therfore jurisor Length (Linear Feet):  Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland Reserved fo | Acres  Acres  Addirectly into TNWs.  Chat flows directly or indirectly into a TNW and has a signficant nexus dictional.  Width (feet):  Acres:  ds directly abutting RPWs):  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fee Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in With a TNW, and is therfore jurisor Length (Linear Feet): Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland G. Wetlands adjacent to non-RPWs)  | Acres  Acres:  Ac |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fee  Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in Non-TNW/non-RPW waterbody twith a TNW, and is therfore juriso Length (Linear Feet):  Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland 6. Wetlands adjacent to non-RPWs wetland adjacent to non-RPWs wetland adjacent to non-RPWs wetlands adjacent to no | Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres:  Chat flows directly or indirectly into a TNW and has a signficant nexus dictional.  Width (feet):  Acres:  ds directly abutting RPWs):  ds adjacent to but not directly abutting RPWs):  that flow directly or indirectly into TNWs.  which, in combination with the tributary and other adjacent wetlands, TNW.  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fee Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in with a TNW, and is therfore jurisor Length (Linear Feet):  Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland 6. Wetlands adjacent to non-RPWs has a significant nexus with the III D 5 (Wetlands adjacent to non-RPWs)   | Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres  Acres:  |

Supporting rationale: Length (linear feet): Acres:

#### F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

# Feature ID: 65B3A2 As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 467.18 linear feet (ft), 17.51 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)

Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008

✓ Other Photographs (Name and Date): Ground Photos; May 2012☐ Previous Determinations File No. and Date of Response Letter:

☐ Applicable/Supporting Case Law Citation:

Other Information, Please Specify: Additional Comments to Support JD:

Applicable/Supporting Scientific Literature Citation:

| SECTION I: BACKGROUND INFORMATION  |                       |
|--|-----------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                       |
| B. District Office and File No: Los Angeles District, File No. Pending   |                       |
| C. Project Location and Background Information: Drainage Feature 65B3B   |                       |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties, A  | Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                       |
| Name of nearest waterbody: Unnamed Wash 65B3B  |                       |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam  |                       |
| HUC Code: 15050306   |                       |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                       |
| D. Review Performed for Site Evaluation:   |                       |
| Office Determination. Date:  |                       |
| Field Determination. Date: 05/2012   |                       |
| SECTION II: SUMMARY OF FINDINGS  |                       |
| A. RHA Section 10 Determination of Jurisdiction  |                       |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.  |                       |
| B. CWA Section 404 Determination of Jurisdiction   |                       |
| <b>There Are No</b> "waters of the U.S." within CWA jurisdiction in the review area.   |                       |
| 1. Waters of the US:   |                       |
| Linear Feet Width (ft) and/or Acres  |                       |
| Limits of Jurisdiction based on:   |                       |
| 2. Non-Regulated Waters/Wetlands:  ✓ Potentially jurisdictional waters and/or wetlands were assessed and determined not  | to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drainage considered jurisdictional if it possessed a significant nexus with a downstream TNW. not possess a significant nexus with the downstream TNW. | •                     |
| SECTION III: CWA ANALYSIS  |                       |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                       |
| 1. Identified TNW:   |                       |
| Rationale for TNW determination:   |                       |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                       |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                       |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                     |
| Drainage Area (sq mi): 0.00055 River Miles from tributary to TNW: Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:   | 30 (or more)          |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW:  | 30 (or more)          |
| Aerial Miles from tributary to RPW:  | ,,                    |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                       |

Feature ID: 65B3B

| Jnnamed drainages suggests the most lik River.  |   | •                              |             | •            | osa Wash. Topography<br>uz Wash to the Gila |
|---|---|--------------------------------|-------------|--------------|---|
| Tributary is: Natural   | Ex  | plain:                         |             |              |   |
| Average Width (ft):   | 14.73   |                                |             |              |   |
| Average Depth (ft):   | 1   |                                |             |              |   |
| 0 1 - 1 - 1   |   |                                |             |              |   |
| Average Side Slopes:<br>Primary tributary sub   | strate com  | •                              |             | □ Vogetetier |   |
| Average Side Slopes:  Primary tributary sub  Silts   Sands  | ostrate com   | position (check all<br>obles   |             | □ Vegetation | 1   |
| Average Side Slopes:  Primary tributary sub  Silts   Sands  | ostrate com  Col                                    | obles   Bedro  Other, Explain: |             | □ Vegetation | 1   |
| everage Side Slopes:  Primary tributary sub  ✓ Silts □ Sands  □ Concrete □ N  Tributary Condition/S | ostrate com Col Muck C Stability. Ex                | bbles                          |             | □ Vegetation | 1   |
| Average Side Slopes: Primary tributary sub Silts Sands Concrete IN                                  | ostrate com  Col  Muck Col  Stability. Exe/Pool Cor | bbles                          | ck ☑ Gravel | □ Vegetation |   |

| Tributary Provides for: Ephemeral Flow Average Flow Events per year: 2-5  Describe Flow Regime: Ephemeral Other Information on Duration and Volume: Surface Flow is: Confined Characteristics: Subsurface Flow: No Explain:  Tributary Has:  | (c) Flow:                  |                   |             |            |           |           |                  |  |
|--|----------------------------|-------------------|-------------|------------|-----------|-----------|------------------|--|
| Surface Flow is:  Subsurface Flow:  No  Explain:  Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank  Changes in soil character  Sediment deposition  Sediment sorting  Abrupt change in plant community  Scour  Multiple observed or predicted flow events  Presence of wrack line  Other (list):  Discontinuous? Explain:  Characteristics:  Characterize Tributary:   | Tributary Provides for:    | Ephemeral Flow    | Average Fl  | low Event  | s per ye  | ar:       | 2-5              |  |
| Subsurface Flow:  No Explain:  Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank  Changes in soil character  Sediment deposition  Sediment sorting  Abrupt change in plant community  Scour  Multiple observed or predicted flow events  Presence of wrack line Other (list):  Discontinuous? Explain:  Substitution of terrestrial vegetation  Mater staining Other (list):  Discontinuous? Explain:   | Describe Flow Regime:      | Ephemeral         | Other Info  | rmation c  | n Durat   | ion and   | Volume:          |  |
| Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank Changes in soil character Sediment deposition Sediment sorting Scour Multiple observed or predicted flow events Presence of wrack line Other (list): Discontinuous? Explain:  Characterize Tributary:   | Surface Flow is:           | Confined          | Characteri  | stics:     |           |           |                  |  |
| Bed and Banks   ✔ OHWM: OHWM Indicators:   Clear, natural line impressed on the bank Vegetation matted down, bent or absent   ✔ Changes in soil character Leaf litter disturbed or washed away   Shelving Presence of litter and debris   Sediment deposition Destruction of terrestrial vegetation   ✔ Sediment sorting Abrupt change in plant community   Scour Multiple observed or predicted flow events   Presence of wrack line Water staining   Other (list): Discontinuous? Explain:    (iii) Chemical Characteristics:  Characterize Tributary:   | Subsurface Flow:           | No                | Explain:    |            |           |           |                  |  |
| ✓ OHWM: OHWM Indicators:  □ Clear, natural line impressed on the bank □ Changes in soil character □ Leaf litter disturbed or washed away □ Shelving □ Presence of litter and debris □ Sediment deposition □ Destruction of terrestrial vegetation □ Abrupt change in plant community □ Scour □ Multiple observed or predicted flow events □ Presence of wrack line □ Other (list): □ Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:   | Tributary Has:             |                   |             |            |           |           |                  |  |
| ✓ OHWM: OHWM Indicators:  □ Clear, natural line impressed on the bank □ Changes in soil character □ Leaf litter disturbed or washed away □ Shelving □ Presence of litter and debris □ Sediment deposition □ Destruction of terrestrial vegetation □ Abrupt change in plant community □ Scour □ Multiple observed or predicted flow events □ Presence of wrack line □ Other (list): □ Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:   | ☐ Bed and Banks            |                   |             |            |           |           |                  |  |
| <ul> <li>□ Clear, natural line impressed on the bank</li> <li>□ Changes in soil character</li> <li>□ Leaf litter disturbed or washed away</li> <li>□ Shelving</li> <li>□ Presence of litter and debris</li> <li>□ Sediment deposition</li> <li>☑ Destruction of terrestrial vegetation</li> <li>☑ Sediment sorting</li> <li>□ Abrupt change in plant community</li> <li>□ Scour</li> <li>□ Multiple observed or predicted flow events</li> <li>□ Presence of wrack line</li> <li>□ Other (list):</li> <li>□ Discontinuous? Explain:</li> </ul> (iii) Chemical Characteristics: Characterize Tributary: |                            | dicators:         |             |            |           |           |                  |  |
| <ul> <li>✓ Changes in soil character</li> <li>☐ Shelving</li> <li>☐ Presence of litter and debris</li> <li>☐ Sediment deposition</li> <li>✓ Destruction of terrestrial vegetation</li> <li>✓ Sediment sorting</li> <li>☐ Abrupt change in plant community</li> <li>☐ Scour</li> <li>☐ Multiple observed or predicted flow events</li> <li>☐ Presence of wrack line</li> <li>☐ Water staining</li> <li>☐ Other (list):</li> <li>☐ Discontinuous? Explain:</li> </ul> (iii) Chemical Characteristics: Characterize Tributary:  |                            |                   | □ Ve        | getation   | matted    | down, k   | ent or absent    |  |
| Shelving □ Presence of litter and debris   Sediment deposition ☑ Destruction of terrestrial vegetation   ☑ Sediment sorting □ Abrupt change in plant community   □ Scour □ Multiple observed or predicted flow events   □ Presence of wrack line □ Water staining   Other (list): □ Discontinuous? Explain:    (iii) Chemical Characteristics:  Characterize Tributary:  |                            | •                 |             | _          |           |           |                  |  |
| ✓ Sediment sorting   |                            |                   | ☐ Pr        | esence of  | litter ar | nd debri  | is               |  |
| Scour Multiple observed or predicted flow events Presence of wrack line Water staining Other (list): Discontinuous? Explain:  (iii) Chemical Characteristics: Characterize Tributary:  | ☐ Sediment deposition      | on                | <b>✓</b> De | estruction | of terre  | strial ve | egetation        |  |
| ☐ Presence of wrack line ☐ Water staining Other (list): ☐ Discontinuous? Explain:  (iii) Chemical Characteristics: Characterize Tributary:   | Sediment sorting           |                   | ☐ Ab        | rupt char  | nge in pl | ant con   | nmunity          |  |
| Other (list):  Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:   | ☐ Scour                    |                   | $\square$ M | ultiple ob | served o  | or predi  | cted flow events |  |
| ☐ Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:  | ☐ Presence of wrack        | line              | $\square$ W | ater stain | ing       |           |                  |  |
| (iii) Chemical Characteristics: Characterize Tributary:  | Other (list):              |                   |             |            |           |           |                  |  |
| Characterize Tributary:  | ☐ Discontinuous? Ex        | xplain:           |             |            |           |           |                  |  |
| Characterize Tributary:  | (iii) Chamical Characteris | tice:             |             |            |           |           |                  |  |
| ·  |                            |                   |             |            |           |           |                  |  |
| Identity Specific Pollutants, it known:  |                            | •                 |             |            |           |           |                  |  |
| identify Specific Foliatants, it knows:  | Identify Specific Polli    | utants, if known: |             |            |           |           |                  |  |
|  |                            |                   |             |            |           |           |                  |  |
|  |                            |                   |             |            |           |           |                  |  |
|  |                            |                   |             |            |           |           |                  |  |

| Feature ID: 65B3B  |
|--|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |
| Riparian Corridor Characteristics:   |
| ☐ Wetland Fringe Characteristics:  |
| Habitat for:   |
| ☐ Federally Listed Species Explain:  |
| ☐ Fish/Spawn Areas Explain:  |
| Other environmentally -sensitive species Explain:  |
| ☐ Aquatic/Wildlife diversity Explain:  |
| <ul><li>2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW</li><li>(i) Physical Characteristics:</li></ul> |
| Wetland Size (ac): Wetland Type, Explain:  |
| Wetland Quality, Explain:  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |
| Wetland Flow is: Explain:  |
| Surface Flow is: Characteristics:  |
| Subsurface Flow: Explain Findings:   |
| ☐ Wetland Directly Abutting Non-TNW  |
| ☐ Wetland Not Directly Abutting Non-TNW  |
| ☐ Discrete wetland hydrologic connection Explain:  |
| ☐ Ecologcal connection Explain:  |
| ☐ Separated by berm/barrier Explain:   |
| Project Wetlands: River Miles from TNW:  |
| Project Wetlands: Aerial Miles from TNW:   |
| Flow is From:  |
| Approximate Location of Wetland within Floodplain:   |
| (ii) Chemical Characteristics:   |
| Characterize Wetland System:   |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |
| ☐ Riparian Buffer Explain:   |
| ☐ Vegetation type/percent cover. Explain:  |
| Habitat for:   |
| Federally Listed Species Explain:  |
| ☐ Fish/Spawn Areas Explain:  |
| Other environmentally-sensitive species Explain:   |
| ☐ Aquatic/Wildlife Diversity Explain:  |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |
| All wetland(s) considered in cumulative analysis:  |
| Wetland acres in total being considered in cumulative analysis:  |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions):                                |
|  |
|  |

|   | EXUS DETERMINATION   |  |   |   |   |
|---|--|--|---|---|---|
| 1. Significant no into TNW. Exp   | exus findings for non-Rlain:   | PW that has no   | adjacent wetland  | s and flows dire  | ectly or indirectly   |
| between Power discharges, in condownstream mage possibility of a large critical habitats does not provide drainage does rebiological integral.  | ephemeral drainage is lost butter and Gillespie Date ombination with the general made impoundment by drologic connection but were identified within the lifecycle support function have more than a sportly of the TNW. Therefor TNW reach of the Gila Formal management of the Gila | am. An analysis omorphology of (Tat Momolikot between this drathe Analysis Arestions, nutrients, beculative or insore, this unname                       | of peak yearly disc<br>the Analysis Area<br>Dam), and the dis<br>inage and the TNV<br>a. Additionally, th<br>or organic carbor<br>ubstantial effect o | charges and pote<br>to the presence of<br>stance to the TN<br>W is tenuous. No<br>is unnamed eph<br>on to species with<br>on the physical, of<br>inage does not p | ential flood of a significant W, suggests that the o pollutants or emeral drainage hin the TNW. This chemical, and/or |
| _   | exus findings for non-R<br>to TNW. Explain:  | PW and its adja  | cent wetlands, w  | here the non-RF   | PW flows directly   |
| 3. Significant n  | exus findings for wetla  | nds adjacent to  | an RPW but that   | do not directly a   | abut the RPW.   |
|   |  |  |   |   |   |
|   | ONS OF JURISDICTIONA   | L FINDINGS. TH   | E SUBJECT WATER   | RS/WETLANDS A   | ARE   |
| 1. TNWs and A   | djacent Wetlands   |  |   |   |   |
|   |  |  |   |   |   |
| ☐ TNWs:   | Linear Feet  |  | Width (ft), Or,   |   | Acres   |
| _   | Linear Feet djacent to TNWs:   | Acres  | Width (ft), Or,   |   | Acres   |
| Wetlands a  |  | Acres  | Width (ft), Or,   |   | Acres   |
| <ul><li>Wetlands a</li><li>Reserved for Se</li></ul>  | djacent to TNWs:   |  |   |   | Acres   |
| ■ Wetlands a Reserved for Se  3. Non-RPWs t □ Non-TNW/r   | djacent to TNWs:   | irectly into TNW   | /s.   | a TNW and has a   |   |
| ■ Wetlands a Reserved for Se  3. Non-RPWs t □ Non-TNW/r   | djacent to TNWs: ection III D 2 (RPWs): hat flow directly or indiceon-RPW waterbody that, and is therfore jurisdice  | irectly into TNW   | <b>/s.</b><br>or indirectly into a  | a TNW and has a   |   |
| ■ Wetlands a Reserved for Se  3. Non-RPWs t □ Non-TNW/r with a TNW Length (Line   | djacent to TNWs: ection III D 2 (RPWs): hat flow directly or indiceon-RPW waterbody that, and is therfore jurisdice  | irectly into TNW<br>at flows directly<br>ctional.<br>Width (feet):   | <b>/s.</b><br>or indirectly into a  |   |   |
| ■ Wetlands a Reserved for Se  3. Non-RPWs t □ Non-TNW/r with a TNW Length (Line Reserved for S  | ection III D 2 (RPWs):  that flow directly or indicated and is therfore jurisdicater Feet):  | irectly into TNW<br>at flows directly<br>ctional.<br>Width (feet):<br>directly abuttin   | or indirectly into a Algorithm Algorithm Algorithm Algorithm (Page 1998):   | cres:   |   |
| ■ Wetlands a Reserved for Se  3. Non-RPWs t □ Non-TNW/r with a TNW Length (Line Reserved for S Reserved for S   | ection III D 2 (RPWs):  that flow directly or indicated and is therfore jurisdicated are Feet):  ection III D 4 (Wetlands)   | irectly into TNW<br>at flows directly<br>ctional.<br>Width (feet):<br>directly abuttin<br>adjacent to but  | or indirectly into a Adgress of RPWs):  | cres:<br>ting RPWs):  |   |
| ■ Wetlands a Reserved for Se  3. Non-RPWs t □ Non-TNW/r with a TNW Length (Line Reserved for S Reserved for S 6. Wetlands ac □ Wetland ac   | djacent to TNWs: ection III D 2 (RPWs): hat flow directly or indiction-RPW waterbody that, and is therfore jurisdiction Feet): ection III D 4 (Wetlands ection III D 5 (Wetlands   | irectly into TNW at flows directly ctional. Width (feet): directly abuttin adjacent to but nat flow directly   | or indirectly into a Adgress of RPWs): not directly abute or indirectly into  | cres:<br>ting RPWs):<br>TNWs.   | a signficant nexus  |
| ■ Wetlands at Reserved for Set 3. Non-RPWs to Non-TNW/r with a TNW Length (Line Reserved for Set 1. Wetlands at has a signification of the set 1. Wetland and has a signification of the set 1. Wetland and has a signification of the set 1. Wetland and has a signification of the set 1. Wetland and has a signification of the set 1. Wetland and has a signification of the set 1. Wetland and has a signification of the set 1. Wetland and has a signification of the set 1. Wetland and has a signification of the set 1. Wetland and has a signification of the set 1. Wetland and has a signification of the set 1. Wetland and has a signification of the set 1. Wetland and has a signification of the set 1. Wetland and has a signification of the set 1. Wetland and has a signification of the set 1. Wetland and has a significant of the set 1. Wetland and has a signi | ection III D 2 (RPWs):  that flow directly or indicated and is therfore jurisdicated are Feet):  ection III D 4 (Wetlands ection III D 5 (Wetlands diacent to non-RPWs the ligacent to non-RPWs which is the control of  | irectly into TNW<br>at flows directly<br>ctional.<br>Width (feet):<br>directly abuttin<br>adjacent to but<br>nat flow directly<br>nich, in combina<br>W. | or indirectly into a Adgress of RPWs): not directly abute or indirectly into  | cres:<br>ting RPWs):<br>TNWs.   | a signficant nexus  |
| ■ Wetlands a Reserved for Se  3. Non-RPWs t □ Non-TNW/r with a TNW Length (Line Reserved for S Reserved for S 6. Wetlands ac has a signif Estimated s   | idjacent to TNWs: ection III D 2 (RPWs): hat flow directly or indiction-RPW waterbody that, and is therfore jurisdicter Feet): ection III D 4 (Wetlands ection III D 5 (Wetlands djacent to non-RPWs the ljacent to non-RPWs whicant nexus with the TN   | irectly into TNW at flows directly ctional. Width (feet): directly abuttin adjacent to but nat flow directly nich, in combina W. tland (in acres):       | or indirectly into a Adgress of RPWs): not directly abute or indirectly into  | cres:<br>ting RPWs):<br>TNWs.   | a signficant nexus  |
| ■ Wetlands a Reserved for Se  3. Non-RPWs t □ Non-TNW/r with a TNW Length (Line Reserved for S Reserved for S 6. Wetlands ac has a signif Estimated s 7. Impoundme  | ection III D 2 (RPWs):  that flow directly or indicated and is therfore jurisdicated and is the flow and is the flo | irectly into TNW at flows directly ctional. Width (feet): directly abuttin adjacent to but nat flow directly nich, in combina W. tland (in acres):       | or indirectly into a Adgress of RPWs): not directly abute or indirectly into  | cres:<br>ting RPWs):<br>TNWs.   | a signficant nexus  |
| ■ Wetlands a Reserved for Se  3. Non-RPWs t □ Non-TNW/r with a TNW Length (Line Reserved for S Reserved for S 6. Wetlands ac has a signif Estimated s 7. Impoundment  | ection III D 2 (RPWs):  that flow directly or indiction-RPW waterbody that, and is therfore jurisdiction III D 4 (Wetlands ection III D 5 (Wetlands ection ec | irectly into TNW at flows directly ctional. Width (feet): directly abuttin adjacent to but nat flow directly nich, in combina W. tland (in acres):       | or indirectly into a Arg RPWs): not directly abutter or indirectly into tion with the tribu   | ting RPWs): TNWs. utary and other a   | a signficant nexus<br>adjacent wetlands,  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

# Feature ID: 65B3B As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 1035.10 linear feet (ft), 14.73 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ✓ Other Photographs (Name and Date): Ground Photos; May 2012 Previous Determinations File No. and Date of Response Letter: ☐ Applicable/Supporting Case Law Citation:

Applicable/Supporting Scientific Literature Citation:

Other Information, Please Specify: Additional Comments to Support JD:

|  | <u>N</u>  |
|--|---|
| A. Report Completion Date for Approved   | Jurisdictional Determination: 07/30/2012  |
| B. District Office and File No: Los Angele   | s District, File No. Pending  |
| C. Project Location and Background Inform  | mation: Drainage Feature 65B3C  |
| City, County, State Sif Oidak District, T  | Tohono O'odham Nation, Pima and Pinal Counties, Arizona   |
| Center coordinates of site: Lat. 32.5073   | 3 Long111.9100  |
| Name of nearest waterbody: Unnamed   | Wash 65B3C  |
| Name of nearest downstream TNW: Gil  | la River between Powers Butte and Gillespie Dam   |
| HUC Code: 15050306   |   |
| ✓ Map/Diagram of potential jurisdiction  | al area is available on request   |
| D. Review Performed for Site Evaluation:   |   |
| Office Determination. Date:  |   |
| Field Determination. Date: 05/2012   |   |
| SECTION II: SUMMARY OF FINDINGS  |   |
| A. RHA Section 10 Determination of Juris   | sdiction  |
|  | e U.S." within RHA jurisdiction in the review area.   |
| B. CWA Section 404 Determination of Ju   | ·   |
|  | within CWA jurisdiction in the review area.   |
| 1. Waters of the US:   | •   |
| Linear Feet  | Width (ft) and/or Acres   |
| Limits of Jurisdiction based on:   |   |
| 2. Non-Regulated Waters/Wetlands:  |   |
| ✓ Potentially jurisdictional waters ar   | nd/or wetlands were assessed and determined not to be jurisdictiona   |
| J.Jany janisaistional waters ar  |   |
| Drainage is ephemeral and does n   | not qualify as a TNW or RPW. Therefore, this drainage could only be essed a significant nexus with a downstream TNW. This drainage doe the the downstream TNW.  |
| Drainage is ephemeral and does no considered jurisdictional if it possess a significant nexus with   | essed a significant nexus with a downstream TNW. This drainage doe  |
| Drainage is ephemeral and does no considered jurisdictional if it possess a significant nexus with   | essed a significant nexus with a downstream TNW. This drainage doe th the downstream TNW.   |
| Drainage is ephemeral and does no considered jurisdictional if it posses not possess a significant nexus with SECTION III: CWA ANALYSIS  | essed a significant nexus with a downstream TNW. This drainage doe th the downstream TNW.   |
| Drainage is ephemeral and does not possess a significant nexus with SECTION III: CWA ANALYSIS  A. TNWs AND WETLANDS ADJACENT TO  | essed a significant nexus with a downstream TNW. This drainage doe th the downstream TNW.   |
| Drainage is ephemeral and does no considered jurisdictional if it possinot possess a significant nexus with the second sec   | essed a significant nexus with a downstream TNW. This drainage doe th the downstream TNW.  TNWs   |
| Drainage is ephemeral and does not possess a significant nexus with SECTION III: CWA ANALYSIS  A. TNWS AND WETLANDS ADJACENT TO  1. Identified TNW:  Rationale for TNW determination:  | essed a significant nexus with a downstream TNW. This drainage doe th the downstream TNW.  TNWs  wetlands present are "adjacent":   |
| Drainage is ephemeral and does no considered jurisdictional if it possinot possess a significant nexus with section III: CWA ANALYSIS  A. TNWS AND WETLANDS ADJACENT TO  1. Identified TNW:  Rationale for TNW determination:  2. Rationale for conclusion that any version in the constant of | essed a significant nexus with a downstream TNW. This drainage doe th the downstream TNW.  TNWs  wetlands present are "adjacent":   |
| Drainage is ephemeral and does no considered jurisdictional if it possinot possess a significant nexus with section III: CWA ANALYSIS  A. TNWS AND WETLANDS ADJACENT TO 1. Identified TNW: Rationale for TNW determination: 2. Rationale for conclusion that any vibrations and the section of the  | ressed a significant nexus with a downstream TNW. This drainage does the the downstream TNW.  TNWs  Wetlands present are "adjacent":  SUTARY AND ITS ADJACENT WETLANDS  Original Tributaries flow to TNW:  River Miles from tributary to TNW:  30 (or more) |
| Drainage is ephemeral and does not considered jurisdictional if it possinot possess a significant nexus with possess a significant n | wetlands present are "adjacent":  UTARY AND ITS ADJACENT WETLANDS  Tributaries flow to TNW:  River Miles from tributary to TNW:  River Miles from tributary to RPW:   |
| Drainage is ephemeral and does no considered jurisdictional if it possinot possess a significant nexus with section III: CWA ANALYSIS  A. TNWS AND WETLANDS ADJACENT TO 1. Identified TNW: Rationale for TNW determination: 2. Rationale for conclusion that any vibrations and the section of the  | ressed a significant nexus with a downstream TNW. This drainage does the the downstream TNW.  TNWs  Wetlands present are "adjacent":  SUTARY AND ITS ADJACENT WETLANDS  Original Tributaries flow to TNW:  River Miles from tributary to TNW:  30 (or more) |

Feature ID: 65B3C

| Identify flow route to  | TNW:                              |                                     |                                 |  |
|---|-----------------------------------|-------------------------------------|---------------------------------|--|
| •   |                                   | •                                   |                                 | ultimately tributary to the Santa Rosa Wash. Topography Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural   |                                   | Explain:                            |                                 |  |
| Average Width (ft):   | 18.30                             |                                     |                                 |  |
| A D 11 (C1)   | 1                                 |                                     |                                 |  |
| Average Depth (ft):   | Т                                 |                                     |                                 |  |
| Average Side Slopes:<br>Primary tributary sub   | 2:1                               | •                                   |                                 |  |
| Average Side Slopes:  Primary tributary sub  Silts   Sands                                  | 2:1                               | composition<br>Cobbles<br>Other, Ex | Bedro                           |  |
| Average Side Slopes:  Primary tributary sub  Silts Sands  Concrete N                        | 2:1<br>strate                     | Cobbles Other, Ex                   | Bedro                           |  |
| Average Side Slopes:  Primary tributary sub  Silts Sands  Concrete N  Tributary Condition/S | 2:1 strate                        | Cobbles Other, Ex                   | ☐ Bedro                         |  |
|   | 2:1 strate //uck Stability e/Pool | Cobbles Other, Ex                   | Bedro  cplain:  Stable Explain: | ock ☑ Gravel ☐ Vegetation  |

| (c) Flow:                  |                       |            |           |             |           |                  |  |
|----------------------------|-----------------------|------------|-----------|-------------|-----------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average    | Flow Eve  | ents per y  | ear:      | 2-5              |  |
| Describe Flow Regime:      | Ephemeral             | Other Inf  | ormatic   | n on Dura   | tion and  | l Volume:        |  |
| Surface Flow is:           | Confined              | Characte   | ristics:  |             |           |                  |  |
| Subsurface Flow:           | No                    | Explain:   |           |             |           |                  |  |
| Tributary Has:             |                       |            |           |             |           |                  |  |
| ☐ Bed and Banks            |                       |            |           |             |           |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:             |            |           |             |           |                  |  |
| ☐ Clear, natural line      | impressed on the bank | □ v        | egetation | on matted   | down, l   | pent or absent   |  |
| Changes in soil cha        | aracter               | □ L        | eaf litte | r disturbe  | d or was  | hed away         |  |
| ☐ Shelving                 |                       | □ P        | resence   | of litter a | nd debr   | is               |  |
| ☐ Sediment deposition      | on                    | <b>✓</b> [ | estruct   | ion of terr | estrial v | egetation        |  |
| Sediment sorting           |                       |            | brupt c   | hange in p  | lant con  | nmunity          |  |
| ☐ Scour                    |                       |            | /lultiple | observed    | or predi  | cted flow events |  |
| ☐ Presence of wrack        | line                  | □ V        | Vater st  | aining      |           |                  |  |
| Other (list):              |                       |            |           |             |           |                  |  |
| ☐ Discontinuous? Ex        | kplain:               |            |           |             |           |                  |  |
| (iii) Chemical Characteris | stics:                |            |           |             |           |                  |  |
| Characterize Tributa       |                       |            |           |             |           |                  |  |
| Identify Specific Poll     | •                     |            |           |             |           |                  |  |
| racinity Specific Follo    | atants, ii knowii.    |            |           |             |           |                  |  |
|                            |                       |            |           |             |           |                  |  |
|                            |                       |            |           |             |           |                  |  |
|                            |                       |            |           |             |           |                  |  |

| (iv) Biological Characteristics. Channel supports (check all that apply):  Riparian Corridor Characteristics:  Wetland Fringe Characteristics:  Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally -sensitive species Explain:  Aquatic/Wildlife diversity Explain:  Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  (i) Physical Characteristics:  Wetland Size (ac):  Wetland Type, Explain:  Project Wetlands Cross or Serve as State Boundaries, Explain:  Wetland Flow is:  Explain:   |            |
|---|------------|
| <ul> <li>□ Wetland Fringe Characteristics:</li> <li>□ Habitat for:</li> <li>□ Federally Listed Species Explain:</li> <li>□ Fish/Spawn Areas Explain:</li> <li>□ Other environmentally -sensitive species Explain:</li> <li>□ Aquatic/Wildlife diversity Explain:</li> <li>2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW</li> <li>(i) Physical Characteristics:</li> <li>Wetland Size (ac): Wetland Type, Explain:</li> <li>Wetland Quality, Explain:</li> <li>Project Wetlands Cross or Serve as State Boundaries, Explain:</li> </ul> |            |
| Habitat for:    Federally Listed Species   Explain:     Fish/Spawn Areas   Explain:     Other environmentally -sensitive species   Explain:     Aquatic/Wildlife diversity   Explain:     Aquatic/Wildlife diversity   Explain:     Wetland Size (ac):   Wetland Type, Explain:     Wetland Quality, Explain:     Project Wetlands Cross or Serve as State Boundaries, Explain:   |            |
| ☐ Federally Listed Species Explain: ☐ Fish/Spawn Areas Explain: ☐ Other environmentally -sensitive species Explain: ☐ Aquatic/Wildlife diversity Explain: ☐ Aquatic/Wildlife diversity Explain: ☐ Wetlands adjacent to non-TNW that flow directly or indirectly into TNW  (i) Physical Characteristics: ☐ Wetland Size (ac): ☐ Wetland Type, Explain: ☐ Wetland Quality, Explain: ☐ Project Wetlands Cross or Serve as State Boundaries, Explain:   |            |
| ☐ Federally Listed Species Explain: ☐ Fish/Spawn Areas Explain: ☐ Other environmentally -sensitive species Explain: ☐ Aquatic/Wildlife diversity Explain: ☐ Aquatic/Wildlife diversity Explain: ☐ Wetlands adjacent to non-TNW that flow directly or indirectly into TNW  (i) Physical Characteristics:  Wetland Size (ac): Wetland Type, Explain: Wetland Quality, Explain: Project Wetlands Cross or Serve as State Boundaries, Explain:  |            |
| ☐ Fish/Spawn Areas  |            |
| ☐ Other environmentally -sensitive species Explain: ☐ Aquatic/Wildlife diversity Explain:  2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  i) Physical Characteristics:  Wetland Size (ac): Wetland Type, Explain:  Wetland Quality, Explain:  Project Wetlands Cross or Serve as State Boundaries, Explain:  |            |
| Aquatic/Wildlife diversity Explain:  C. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  i) Physical Characteristics:  Wetland Size (ac):  Wetland Type, Explain:  Wetland Quality, Explain:  Project Wetlands Cross or Serve as State Boundaries, Explain:   |            |
| Wetland Size (ac): Wetland Type, Explain: Wetland Quality, Explain: Project Wetlands Cross or Serve as State Boundaries, Explain:   |            |
| i) Physical Characteristics:  Wetland Size (ac): Wetland Type, Explain:  Wetland Quality, Explain:  Project Wetlands Cross or Serve as State Boundaries, Explain:   |            |
| Wetland Quality, Explain: Project Wetlands Cross or Serve as State Boundaries, Explain:   |            |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |            |
|   |            |
| Wetland Flow is: Explain:   |            |
|   |            |
| Surface Flow is: Characteristics:   |            |
| Subsurface Flow: Explain Findings:  |            |
| ☐ Wetland Directly Abutting Non-TNW   |            |
| ☐ Wetland Not Directly Abutting Non-TNW   |            |
| ☐ Discrete wetland hydrologic connection Explain:   |            |
| ☐ Ecologcal connection Explain:   |            |
| ☐ Separated by berm/barrier Explain:  |            |
| Project Wetlands: River Miles from TNW:   |            |
| Project Wetlands: Aerial Miles from TNW:  |            |
| Flow is From:   |            |
| Approximate Location of Wetland within Floodplain:  |            |
| ) Chemical Characteristics:   |            |
| Characterize Wetland System:  |            |
| i) Biological Characteristics. Wetland supports (check all that apply):   |            |
| ☐ Riparian Buffer Explain:  |            |
| ☐ Vegetation type/percent cover. Explain:   |            |
| Habitat for:  |            |
| ☐ Federally Listed Species Explain:   |            |
| ☐ Fish/Spawn Areas Explain:   |            |
| ☐ Other environmentally-sensitive species Explain:  |            |
| ☐ Aquatic/Wildlife Diversity Explain:   |            |
| Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |            |
| All wetland(s) considered in cumulative analysis:   |            |
| Wetland acres in total being considered in cumulative analysis:   |            |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fu  | unctions): |

|   | EXUS DETERMINATION   |  |  |   |   |
|---|--|--|--|---|---|
| 1. Significant n into TNW. Exp  | exus findings for non-RPW t<br>lain:   | hat has no ad  | ljacent wetland  | s and flows dire  | ctly or indirectly  |
| between Powe<br>discharges, in of<br>downstream m<br>possibility of a<br>critical habitats<br>does not provided<br>drainage does<br>biological integ  | ephemeral drainage is located in the second of the geomonal and a second of the geomonal and a second of the second of the second of the second of the TNW. Therefore, the second of the Gila River  | An analysis of rphology of the Momolikot Date of this drains Analysis Area. In the properties, or ative or insubstanced. | peak yearly disc<br>ne Analysis Area<br>am), and the dis<br>age and the TNV<br>Additionally, thi<br>r organic carbor<br>stantial effect o<br>ephemeral drai  | harges and poto, the presence of tance to the TN V is tenuous. No s unnamed ephoto species with the physical, conage does not property. | ential flood of a significant W, suggests that the opollutants or emeral drainage on the TNW. This chemical, and/or |
| -   | exus findings for non-RPW ato TNW. Explain:  | and its adjace   | nt wetlands, wh  | nere the non-RP   | W flows directly  |
| 3. Significant n  | exus findings for wetlands a   | idjacent to an   | RPW but that o   | do not directly a   | abut the RPW.   |
| DETERMINATI   | ONE OF HIDISDICTIONAL FIR  | IDINGS THE   |  | C /M/ETI ANDC A   | NDF   |
|   | DNS OF JURISDICTIONAL FIN<br>djacent Wetlands  | IDINGS. THE S  | OUDJECT WATER  | S/WEILANDS F  | KE  |
| _   | -  |  | M. I.I. (6.) O   |   |   |
|   |  |  | Width (ft), Or,  |   | Acres   |
| ☐ TNWs:   | Linear Feet  | A ====   |  |   |   |
| Wetlands  | ndjacent to TNWs:  | Acres  |  |   |   |
| Wetlands a  | adjacent to TNWs:<br>ection III D 2 (RPWs):  |  |  |   |   |
| Wetlands a Reserved for So. Non-RPWs t  | adjacent to TNWs: ection III D 2 (RPWs): hat flow directly or indirect   | ly into TNWs.  |  | <b>T</b>  |   |
| ■ Wetlands a Reserved for S  3. Non-RPWs t ■ Non-TNW/   | ection III D 2 (RPWs):  hat flow directly or indirect non-RPW waterbody that flo   | <b>ly into TNWs.</b><br>ws directly or   |  | TNW and has a   | ı signficant nexus  |
| ■ Wetlands a Reserved for Solution Sol  | ection III D 2 (RPWs):  hat flow directly or indirect non-RPW waterbody that flo , and is therfore jurisdictions   | <b>ly into TNWs.</b><br>ws directly or   | indirectly into a  | TNW and has a   | ı signficant nexus  |
| ■ Wetlands a Reserved for So  3. Non-RPWs t ■ Non-TNW/with a TNW Length (Line   | ection III D 2 (RPWs):  hat flow directly or indirect non-RPW waterbody that flo , and is therfore jurisdiction ear Feet):   | ly into TNWs.<br>ws directly or<br>al.<br>idth (feet):   | indirectly into a  |   | signficant nexus  |
| ■ Wetlands a Reserved for Se  3. Non-RPWs t ■ Non-TNW/with a TNW Length (Line Reserved for Se   | ection III D 2 (RPWs):  hat flow directly or indirect non-RPW waterbody that flo , and is therfore jurisdictions ear Feet):  Wection III D 4 (Wetlands dire  | ly into TNWs. ws directly or al. idth (feet): ctly abutting f  | indirectly into a Ad   | cres:   | signficant nexus  |
| ■ Wetlands a Reserved for So  3. Non-RPWs t ■ Non-TNW/with a TNW Length (Line Reserved for So Reserved for So   | ection III D 2 (RPWs):  hat flow directly or indirect non-RPW waterbody that flo , and is therfore jurisdiction ear Feet):  wection III D 4 (Wetlands dire ection III D 5 (Wetlands adja   | ly into TNWs. ws directly or al. idth (feet): ctly abutting R  | Adaptive the control of the control  | ing RPWs):  | signficant nexus  |
| ■ Wetlands a Reserved for So  3. Non-RPWs t □ Non-TNW/with a TNW Length (Line Reserved for So Reserved for So 6. Wetlands a □ Wetland a   | ection III D 2 (RPWs):  hat flow directly or indirect non-RPW waterbody that flo , and is therfore jurisdictions ear Feet):  Wection III D 4 (Wetlands dire  | ly into TNWs. ws directly or al. idth (feet): ctly abutting facent to but no ow directly or                              | Adaptive Ada | ing RPWs):  |   |
| ■ Wetlands a Reserved for So  3. Non-RPWs t □ Non-TNW/with a TNW Length (Line Reserved for So Reserved for So 6. Wetlands a has a signification   | ection III D 2 (RPWs):  that flow directly or indirectly on the flow directly or indirectly on the flow directly or indirectly on the flow directly on the flow directly on the flow directly on the flow directly | ly into TNWs. ws directly or al. idth (feet): ctly abutting facent to but no ow directly or in combinatio                | Adaptive Ada | ing RPWs):  |   |
| ■ Wetlands a Reserved for So  3. Non-RPWs t □ Non-TNW/with a TNW Length (Line Reserved for So Reserved for So 6. Wetlands a has a signification of the solution of the soluti | ection III D 2 (RPWs):  that flow directly or indirectly on the flow directly on the flow directly direct | ly into TNWs. ws directly or al. idth (feet): ctly abutting facent to but no ow directly or in combination.              | Adaptive Ada | ing RPWs):  |   |
| ■ Wetlands a Reserved for So  3. Non-RPWs t □ Non-TNW/with a TNW Length (Line Reserved for So Reserved for So 6. Wetlands a has a signification Estimated 7. Impoundm   | ection III D 2 (RPWs):  that flow directly or indirect from the flow directly or indirect flow flow directly directly flow flow flow flow flow flow flow flow   | ly into TNWs. ws directly or al. idth (feet): ctly abutting facent to but no ow directly or in combination.              | Adaptive Ada | ing RPWs):  |   |
| Wetlands a Reserved for So  3. Non-RPWs t Non-TNW/with a TNW Length (Line Reserved for So Reserved for So 6. Wetlands a has a signific Estimated 7. Impoundm Demonstra  | ection III D 2 (RPWs):  hat flow directly or indirect non-RPW waterbody that flo , and is therfore jurisdictions ear Feet):  wection III D 4 (Wetlands dire ection III D 5 (Wetlands adja djacent to non-RPWs that fl djacent to non-RPWs which, icant nexus with the TNW. size of jurisdictional wetland  | ly into TNWs. ws directly or al. idth (feet): ctly abutting facent to but no ow directly or in combination (in acres):   | Adaptive and a service of the control of the contro | ing RPWs): TNWs. tary and other a   | adjacent wetlands,  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

# Feature ID: 65B3C As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 298.49 linear feet (ft), 18.30 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ✓ Other Photographs (Name and Date): Ground Photos; May 2012 Previous Determinations File No. and Date of Response Letter:

☐ Applicable/Supporting Case Law Citation:

Other Information, Please Specify: Additional Comments to Support JD:

Applicable/Supporting Scientific Literature Citation:

| SECTION I: BACKGROUND INFORM  | <u>1ATION</u>    |                         |  |                       |
|---|------------------|-------------------------|--|-----------------------|
| A. Report Completion Date for App   | roved Jurisdict  | ional Determination:    | 07/30/2012                                   |                       |
| B. District Office and File No: Los   |                  |                         |  |                       |
| C. Project Location and Background  | d Information:   | Drainage Feature        | 65B4   |                       |
| City, County, State Sif Oidak Dis   | strict, Tohono ( | O'odham Nation, Pim     | a and Pinal Counties,                        | Arizona               |
| Center coordinates of site: Lat. 3  | 32.5073          | Long111.910             | 00   |                       |
| Name of nearest waterbody: Unr  | named Wash 6     | 5B4                     |  |                       |
| Name of nearest downstream TNV  | W: Gila River    | between Powers Butt     | te and Gillespie Dam                         |                       |
| HUC Code: 15050306  |                  |                         |  |                       |
| ✓ Map/Diagram of potential juriso   | dictional area i | s available on reques   | t  |                       |
| D. Review Performed for Site Evalu  | ation:           |                         |  |                       |
| Office Determination. Date:   |                  |                         |  |                       |
| Field Determination. Date: 05/2   | 2012             |                         |  |                       |
| SECTION II: SUMMARY OF FINDING  | <u>GS</u>        |                         |  |                       |
| A. RHA Section 10 Determination   | of Jurisdiction  |                         |  |                       |
| There Are No "navigable waters  | of the U.S." w   | rithin RHA jurisdiction | in the review area.                          |                       |
| B. CWA Section 404 Determinatio   | n of Jurisdictic | n                       |  |                       |
|   |                  | CWA jurisdiction in th  | ne review area.                              |                       |
| 1. Waters of the US:  |                  |                         |  |                       |
| Linear Feet   |                  | Width (ft) and/or       | Acres  |                       |
| Limits of Jurisdiction based on:  |                  |                         |  |                       |
| 2. Non-Regulated Waters/Wetl  | lands:           |                         |  |                       |
| ✓ Potentially jurisdictional wa   |                  | etlands were assessed   | d and determined not                         | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a   | significant nexus with  |  | •                     |
| SECTION III: CWA ANALYSIS   |                  |                         |  |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs       |                         |  |                       |
| 1. Identified TNW:  |                  |                         |  |                       |
| Rationale for TNW determinat  | ion:             |                         |  |                       |
| 2. Rationale for conclusion tha   | t any wetlands   | present are "adjacer    | nt":   |                       |
| B. CHARACTERISTICS OF NON-TN\   | N TRIBUTARY A    | AND ITS ADJACENT W      | 'ETLANDS                                     |                       |
| TNW Watershed Size (sq mi):   | 49650            | Tributaries flow        | v to TNW:                                    | 4                     |
| Drainage Area (sq mi):  | 0.00118          |                         | m tributary to TNW:                          | 30 (or more)          |
| Average Annual Rainfall (in):   | 8.5              |                         | m tributary to RPW:                          |                       |
| Average Annual Snowfall (in):   | 0                |                         | om tributary to TNW:<br>om tributary to RPW: | 30 (or more)          |
| ☐ Project waters cross or serv  | e as state bou   |                         | on thatary to m w.                           |                       |

Feature ID: 65B4

| •  |  | •   | ultimately tributary to the Santa Rosa Wash. Topography Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|--|--|---|--|
| Tributary is: Natural  | Expla  | ain:  |  |
| Average Width (ft):  | 21.52  |   |  |
| verage Depth (ft):   | 1  |   |  |
|  |  |   |  |
| verage Side Slopes:  rimary tributary sub  | strate compo   | •   |  |
| rimary tributary sub Silts Sands Concrete N  | strate compo  Cobble  Auck Other   | les Bedro   |  |
| rimary tributary sub  Silts Sands Concrete N ributary Condition/S                      | strate compo  Cobble  Auck Other  Stability. Expla                           | les Bedro er, Explain: ain: Stable                          | ock ☑ Gravel ☐ Vegetation  |
| rimary tributary sub  Silts Sands Concrete N ributary Condition/S resence of Run/Riffl | strate compo  Cobble  Auck Othe  Stability. Expla  e/Pool Compl              | les Bedro ner, Explain: ain: Stable lexes. Explain:         |  |
| rimary tributary sub  Silts  Sands   | strate compo  Cobble  Muck Othe  Stability. Explate  Pool Comple  Relatively | les Bedro er, Explain: ain: Stable lexes. Explain: Straight | ock ☑ Gravel ☐ Vegetation  |

(c) Flow:

| Tributary Provides for:         | Ephemeral Flow        | Average   | Flow Eve    | nts per ye  | ear:      | 2-5              |    |  |
|---------------------------------|-----------------------|-----------|-------------|-------------|-----------|------------------|----|--|
| Describe Flow Regime:           | Ephemeral             | Other Inf | ormation    | n on Dura   | tion and  | d Volume:        |    |  |
| Surface Flow is:                | Confined              | Characte  | ristics:    |             |           |                  |    |  |
| Subsurface Flow:                | No                    | Explain:  |             |             |           |                  |    |  |
| Tributary Has:                  |                       |           |             |             |           |                  |    |  |
| $\square$ Bed and Banks         |                       |           |             |             |           |                  |    |  |
| ✓ OHWM: OHWM Inc                | dicators:             |           |             |             |           |                  |    |  |
| $\square$ Clear, natural line i | impressed on the bank | □ V       | egetatio/   | n matted    | down,     | bent or absent   |    |  |
| Changes in soil cha             | racter                | □ L       | eaf litter  | disturbed   | d or was  | shed away        |    |  |
| ☐ Shelving                      |                       | □ P       | resence     | of litter a | nd debr   | ris              |    |  |
| ☐ Sediment deposition           | on                    |           | estructio   | on of terr  | estrial v | egetation        |    |  |
| Sediment sorting                |                       |           | brupt ch    | ange in p   | lant cor  | nmunity          |    |  |
| ☐ Scour                         |                       |           | /Jultiple o | bserved     | or pred   | icted flow event | is |  |
| $\square$ Presence of wrack     | line                  | □ V       | Vater sta   | ining       |           |                  |    |  |
| Other (list):                   |                       |           |             |             |           |                  |    |  |
| ☐ Discontinuous? Ex             | rplain:               |           |             |             |           |                  |    |  |
| (iii) Chemical Characteris      | tics:                 |           |             |             |           |                  |    |  |
| Characterize Tributa            | ry:                   |           |             |             |           |                  |    |  |
| Identify Specific Poll          | utants, if known:     |           |             |             |           |                  |    |  |
|                                 |                       |           |             |             |           |                  |    |  |
|                                 |                       |           |             |             |           |                  |    |  |
|                                 |                       |           |             |             |           |                  |    |  |
|                                 |                       |           |             |             |           |                  |    |  |

| Feature ID: 65B4               |   |
|--------------------------------|---|
| (iv) Biological Characteristi  | cs. Channel supports (check all that apply):  |
| Riparian Corridor C            | haracteristics:   |
| ☐ Wetland Fringe Cha           | racteristics:   |
| Habitat for:                   |   |
| ☐ Federally Listed Spec        | cies Explain:   |
| ☐ Fish/Spawn Areas             | Explain:  |
|                                | ally -sensitive species Explain:  |
| ☐ Aquatic/Wildlife dive        | ersity Explain:   |
| 2. Characteristics of wetlan   | nds adjacent to non-TNW that flow directly or indirectly into TNW                               |
| (i) Physical Characteristics:  |   |
| Wetland Size (ac):             | Wetland Type, Explain:  |
| Wetland Quality, Expla         | in:   |
|                                | s or Serve as State Boundaries, Explain:  |
| Wetland Flow is:               | Explain:  |
| Surface Flow is:               | Characteristics:  |
| Subsurface Flow:               | Explain Findings:   |
| ☐ Wetland Directly Ab          | utting Non-TNW  |
| ☐ Wetland Not Directle         | y Abutting Non-TNW  |
| ☐ Discrete wetland             | hydrologic connection Explain:  |
| ☐ Ecologcal connect            |   |
| ☐ Separated by beri            |   |
| Project Wetlands: Rive         |   |
| Project Wetlands: Aeria        | al Miles from TNW:  |
| Flow is From:                  |   |
|                                | of Wetland within Floodplain:   |
| (ii) Chemical Characteristics  | 5:  |
| Characterize Wetland S         | System:   |
| (iii) Biological Characteristi | cs. Wetland supports (check all that apply):  |
| ☐ Riparian Buffer Ex           | plain:  |
| ☐ Vegetation type/pe           | ercent cover. Explain:  |
| Habitat for:                   |   |
| ☐ Federally Listed S           | pecies Explain:   |
| ☐ Fish/Spawn Areas             |   |
|                                | ntally-sensitive species Explain:   |
| ☐ Aquatic/Wildlife [           | Diversity Explain:  |
| 3. Characteristics of all we   | tlands adjacent to the non-TNW tributary (if any)   |
| All wetland(s) consider        | ed in cumulative analysis:  |
| Wetland acres in total         | being considered in cumulative analysis:  |
| Describe each wetland          | (directly abuts tributary?; size in acres; overall biological, chemical or physical functions): |
|                                |   |
|                                |   |

| . SIGNIFICANT NEXUS DETERMINATION   |   |
|---|---|
| 1. Significant nexus findings for non-RPW that has no adjacen into TNW. Explain:  | t wetlands and flows directly or indirectly   |
| This unnamed ephemeral drainage is located more than 100 ribetween Powers Butte and Gillespie Dam. An analysis of peak discharges, in combination with the geomorphology of the Anadownstream manmade impoundment (Tat Momolikot Dam), a possibility of a hydrologic connection between this drainage arcritical habitats were identified within the Analysis Area. Addit does not provide lifecycle support functions, nutrients, or orgadrainage does not have more than a speculative or insubstantibiological integrity of the TNW. Therefore, this unnamed ephenexus with the TNW reach of the Gila River between Powers B | yearly discharges and potential flood alysis Area, the presence of a significant and the distance to the TNW, suggests that the nd the TNW is tenuous. No pollutants or ionally, this unnamed ephemeral drainage anic carbon to species within the TNW. This ial effect on the physical, chemical, and/or meral drainage does not possess a significant |
| 2. Significant nexus findings for non-RPW and its adjacent we or indirectly into TNW. Explain:  | etlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for wetlands adjacent to an RPW Explain:  | but that do not directly abut the RPW.  |
| DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJE  | CT WATERS/WETLANDS ARE  |
| 1. TNWs and Adjacent Wetlands   |   |
| ☐ TNWs: Linear Feet Widt  | th (ft), Or, Acres  |
| Wetlands adjacent to TNWs: Acres  |   |
|   |   |
| Reserved for Section III D 2 (RPWs):  |   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.   |   |
| ·   | ectly into a TNW and has a signficant nexus  Acres:   |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly with a TNW, and is therfore jurisdictional.  | Acres:  |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet):   | Acres:  |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet):  Reserved for Section III D 4 (Wetlands directly abutting RPWs  | Acres: ): ectly abutting RPWs):   |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Reserved for Section III D 4 (Wetlands directly abutting RPWs Reserved for Section III D 5 (Wetlands adjacent to but not directly adjacent to non-RPWs that flow directly or indirectly wetland adjacent to non-RPWs which, in combination with has a significant nexus with the TNW.   | Acres: ): ectly abutting RPWs): rectly into TNWs.   |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Reserved for Section III D 4 (Wetlands directly abutting RPWs Reserved for Section III D 5 (Wetlands adjacent to but not directly adjacent to non-RPWs that flow directly or indirectly or indirectly adjacent to non-RPWs which, in combination with has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  | Acres: ): ectly abutting RPWs): rectly into TNWs.   |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Reserved for Section III D 4 (Wetlands directly abutting RPWs Reserved for Section III D 5 (Wetlands adjacent to but not directly adjacent to non-RPWs that flow directly or indirectly wetland adjacent to non-RPWs which, in combination with has a significant nexus with the TNW.  | Acres: ): ectly abutting RPWs): rectly into TNWs.   |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

# Feature ID: 65B4 As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 1533.95 linear feet (ft), 21.52 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ✓ Other Photographs (Name and Date): Ground Photos; May 2012 Previous Determinations File No. and Date of Response Letter: ☐ Applicable/Supporting Case Law Citation:

Applicable/Supporting Scientific Literature Citation:

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>    |                          |                                     |                       |
|---|------------------|--------------------------|-------------------------------------|-----------------------|
| A. Report Completion Date for App   | roved Jurisdic   | tional Determination:    | 07/30/2012                          |                       |
| B. District Office and File No: Los   | Angeles Distric  | t, File No. Pending      |                                     |                       |
| C. Project Location and Background  | d Information:   | Drainage Feature 65      | B4A                                 |                       |
| City, County, State Sif Oidak Dis   | trict, Tohono    | O'odham Nation, Pima     | and Pinal Counties, A               | Arizona               |
| Center coordinates of site: Lat.  | 32.5073          | Long111.9100             |                                     |                       |
| Name of nearest waterbody: Un   | named Wash 6     | 5B4A                     |                                     |                       |
| Name of nearest downstream TNV  | V: Gila River    | between Powers Butte     | and Gillespie Dam                   |                       |
| HUC Code: 15050306  |                  |                          |                                     |                       |
| ✓ Map/Diagram of potential juris  | dictional area i | s available on request   |                                     |                       |
| D. Review Performed for Site Evalu  | ation:           |                          |                                     |                       |
| Office Determination. Date:   |                  |                          |                                     |                       |
| Field Determination. Date: 05/2   | 2012             |                          |                                     |                       |
| SECTION II: SUMMARY OF FINDIN   | 35               |                          |                                     |                       |
| A. RHA Section 10 Determination   |                  |                          |                                     |                       |
| There Are No "navigable waters  |                  |                          | n the review area.                  |                       |
| B. CWA Section 404 Determination  | n of Jurisdictic | on                       |                                     |                       |
| There Are No "waters of the   | e U.S." within   | CWA jurisdiction in the  | review area.                        |                       |
| 1. Waters of the US:  |                  |                          |                                     |                       |
| Linear Feet   |                  | Width (ft) and/or        | Acres                               |                       |
| Limits of Jurisdiction based on:  |                  |                          |                                     |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                  | etlands were assessed a  | and determined not                  | to be jurisdictional: |
| Drainage is ephemeral and   |                  |                          |                                     | <u> </u>              |
| considered jurisdictional if not possess a significant ne                             | it possessed a   | significant nexus with a |                                     | •                     |
| SECTION III: CWA ANALYSIS   |                  |                          |                                     |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs       |                          |                                     |                       |
| 1. Identified TNW:  |                  |                          |                                     |                       |
| Rationale for TNW determinat  | ion:             |                          |                                     |                       |
| 2. Rationale for conclusion tha   | t any wetlands   | s present are "adjacent  | ·.                                  |                       |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY      | AND ITS ADJACENT WE      | TLANDS                              |                       |
| TNW Watershed Size (sq mi):   | 49650            | Tributaries flow         |                                     | 4                     |
| Drainage Area (sq mi):  | 0.00068          |                          | tributary to TNW:                   | 30 (or more)          |
| Average Annual Rainfall (in):   | 8.5              |                          | tributary to RPW:                   |                       |
| Average Annual Snowfall (in):   | 0                |                          | tributary to TNW: tributary to RPW: | 30 (or more)          |
| ☐ Project waters cross or serv  | as state hou     |                          | i tributary to NF W.                |                       |
| - Froject waters cross or serv  | c as state bou   | nadries. Expidin.        |                                     |                       |

Feature ID: 65B4A

| River.   |                              | Evoloina                             |  |
|--|------------------------------|--------------------------------------|--|
| Tributary is: Natural  Average Width (ft):                                 | 25.29                        | Explain:                             |  |
| Average Depth (ft):  | 1                            |                                      |  |
| Average Side Slopes:   |                              |                                      |  |
| ✓ Silts ☐ Sands  |                              | Cobbles                              | on (check all that apply):    Bedrock  Gravel  Vegetation  Explain:              |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/S                      | √uck<br>Stability            | Other, Cobbles  Other, Cobbles       | ☐ Bedrock ☑ Gravel ☐ Vegetation  Explain:  Stable                                |
| ✓ Silts ☐ Sands ☐ Concrete ☐ N Tributary Condition/S Presence of Run/Riffl | /luck<br>Stability<br>e/Pool | Other, Cobbles  Other, Complexe      | ☐ Bedrock  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/S                      | Auck Stability e/Pool Rela   | Other, Cobbles  Complexe tively Stra | □ Bedrock ☑ Gravel □ Vegetation  Explain:  Stable es. Explain: Not Present hight |

| (c) Flow:                       |                       |            |           |             |            |              |      |  |
|---------------------------------|-----------------------|------------|-----------|-------------|------------|--------------|------|--|
| Tributary Provides for:         | Ephemeral Flow        | Average    | Flow Eve  | ents per ye | ear:       | 2-5          |      |  |
| Describe Flow Regime:           | Ephemeral             | Other Inf  | ormatio   | n on Dura   | tion and   | Volume:      |      |  |
| Surface Flow is:                | Confined              | Characte   | ristics:  |             |            |              |      |  |
| Subsurface Flow:                | No                    | Explain:   |           |             |            |              |      |  |
| Tributary Has:                  |                       |            |           |             |            |              |      |  |
| ☐ Bed and Banks                 |                       |            |           |             |            |              |      |  |
| ✓ OHWM: OHWM Inc                | dicators:             |            |           |             |            |              |      |  |
| $\square$ Clear, natural line i | impressed on the bank | □ v        | egetation | on matted   | down, b    | ent or abse  | nt   |  |
| ✓ Changes in soil cha           | racter                | □ L        | eaf litte | r disturbe  | d or was   | hed away     |      |  |
| ☐ Shelving                      |                       | □ P        | resence   | of litter a | nd debri   | S            |      |  |
| ☐ Sediment deposition           | on                    | <b>✓</b> [ | estructi  | on of terr  | estrial ve | egetation    |      |  |
| Sediment sorting                |                       |            | brupt cl  | nange in p  | lant com   | nmunity      |      |  |
| ☐ Scour                         |                       |            | /lultiple | observed    | or predi   | cted flow ev | ents |  |
| ☐ Presence of wrack             | line                  | □ v        | Vater sta | aining      |            |              |      |  |
| Other (list):                   |                       |            |           |             |            |              |      |  |
| ☐ Discontinuous? Ex             | rplain:               |            |           |             |            |              |      |  |
| (iii) Chamical Characteris      | +i.o.                 |            |           |             |            |              |      |  |
| (iii) Chemical Characteris      |                       |            |           |             |            |              |      |  |
| Characterize Tributa            | ·                     |            |           |             |            |              |      |  |
| Identify Specific Poll          | utants, if known:     |            |           |             |            |              |      |  |
|                                 |                       |            |           |             |            |              |      |  |
|                                 |                       |            |           |             |            |              |      |  |
|                                 |                       |            |           |             |            |              |      |  |
|                                 |                       |            |           |             |            |              |      |  |

| Feature ID: 65B4A   |  |
|---|--|
| (iv) Biological Characteristics   | . Channel supports (check all that apply):   |
| ☐ Riparian Corridor Cha   |  |
| Habitat for:  Federally Listed Specie  Fish/Spawn Areas  Other environmentall  Aquatic/Wildlife diver   | es Explain: Explain: y -sensitive species Explain:   |
|   | Is adjacent to non-TNW that flow directly or indirectly into TNW   |
| (i) Physical Characteristics:   | Wetlerd Two Surface  |
| Wetland Size (ac): Wetland Quality, Explain   | Wetland Type, Explain:   |
|   | or Serve as State Boundaries, Explain:   |
| Wetland Flow is:  | Explain:   |
| Surface Flow is:  | Characteristics:   |
| Subsurface Flow:  | Explain Findings:  |
| ☐ Wetland Directly Abut ☐ Wetland Not Directly ☐ Discrete wetland hy ☐ Ecological connection ☐ Separated by bermy Project Wetlands: River If Project Wetlands: Aerial Flow is From: ☐ Approximate Location of  (ii) Chemical Characteristics: Characterize Wetland Sy | Abutting Non-TNW ydrologic connection Explain: on Explain: /barrier Explain: Miles from TNW: Miles from TNW:  Wetland within Floodplain: |
| (iii) Biological Characteristics  | . Wetland supports (check all that apply):   |
| ☐ Riparian Buffer Expl ☐ Vegetation type/pero Habitat for: ☐ Federally Listed Spe ☐ Fish/Spawn Areas ☐ Other environment ☐ Aquatic/Wildlife Div   | cent cover. Explain: ecies Explain: Explain: cally-sensitive species Explain:  |
| 3. Characteristics of all wetla   | ands adjacent to the non-TNW tributary (if any)  |
| All wetland(s) considered<br>Wetland acres in total be  |  |

| SIGNIFICANT NEXUS DETERMINATION  | ON   |
|--|--|
| 1. Significant nexus findings for non into TNW. Explain:   | -RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gillespie discharges, in combination with the downstream manmade impoundme possibility of a hydrologic connection critical habitats were identified with does not provide lifecycle support furning does not have more than a biological integrity of the TNW. There  | Is located more than 100 river miles from the nearest TNW, the Gila River Dam. An analysis of peak yearly discharges and potential flood geomorphology of the Analysis Area, the presence of a significant int (Tat Momolikot Dam), and the distance to the TNW, suggests that the n between this drainage and the TNW is tenuous. No pollutants or in the Analysis Area. Additionally, this unnamed ephemeral drainage unctions, nutrients, or organic carbon to species within the TNW. This is speculative or insubstantial effect on the physical, chemical, and/or refore, this unnamed ephemeral drainage does not possess a significant a River between Powers Butte and Gillespie Dam.   |
| 2. Significant nexus findings for nor or indirectly into TNW. Explain:   | n-RPW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for were Explain:  | tlands adjacent to an RPW but that do not directly abut the RPW.   |
|  |  |
|  | et Width (ft), Or, Acres   |
| 1. TNWs and Adjacent Wetlands  | •  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fee  Wetlands adjacent to TNWs:  | et Width (ft), Or, Acres   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fee  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in the Non-TNW/non-RPW waterbody with a TNW, and is therfore juris  | et Width (ft), Or, Acres  Acres  Indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus dictional.   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fee  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in the section of the  | et Width (ft), Or, Acres  Acres  ndirectly into TNWs. that flows directly or indirectly into a TNW and has a signficant nexus dictional.  Width (feet): Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fee  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in the section of the  | et Width (ft), Or, Acres  Acres  Indirectly into TNWs.  that flows directly or indirectly into a TNW and has a signficant nexus dictional.  Width (feet): Acres:  Indicated the second of the second o |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fee  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in  Non-TNW/non-RPW waterbody with a TNW, and is therfore juris Length (Linear Feet):  Reserved for Section III D 4 (Wetlan Reserved for Section III D 5 (Wetl | width (ft), Or,  Acres  Acres  Indirectly into TNWs.  That flows directly or indirectly into a TNW and has a signficant nexus dictional.  Width (feet):  Acres:  Inds directly abutting RPWs):  Inds adjacent to but not directly abutting RPWs):  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fee Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs): 3. Non-RPWs that flow directly or in Non-TNW/non-RPW waterbody with a TNW, and is therfore juris Length (Linear Feet): Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands adjacent to non-RPWs)   | Acres  Acres  Indirectly into TNWs.  Ithat flows directly or indirectly into a TNW and has a signficant nexus dictional.  Width (feet):  Acres:  Inds directly abutting RPWs):  Inds adjacent to but not directly abutting RPWs):  Is that flow directly or indirectly into TNWs.  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fee Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs): 3. Non-RPWs that flow directly or in Non-TNW/non-RPW waterbody with a TNW, and is therfore juris Length (Linear Feet): Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland Section III D  | Acres  Acres  Indirectly into TNWs.  Ithat flows directly or indirectly into a TNW and has a signficant nexus dictional.  Width (feet):  Acres:  Inds directly abutting RPWs):  Inds adjacent to but not directly abutting RPWs):  Is that flow directly or indirectly into TNWs.  Which, in combination with the tributary and other adjacent wetlands, TNW.  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Fee Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPWs): 3. Non-RPWs that flow directly or in Non-TNW/non-RPW waterbody with a TNW, and is therfore juris Length (Linear Feet): Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland Company) Wetlands adjacent to non-RPWs has a significant nexus with the Estimated size of jurisdictional versions.  | which, in combination with the tributary and other adjacent wetlands, TNW.  Width (fit), Or,  Acres  Acres  Acres  Acres  Acres:  Acre |
| 1. TNWs and Adjacent Wetlands  ☐ TNWs: Linear Fee ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or in ☐ Non-TNW/non-RPW waterbody with a TNW, and is therfore jurist Length (Linear Feet):  Reserved for Section III D 4 (Wetland Reserved for Section III D 5 (Wetland Sec  | which, in combination with the tributary and other adjacent wetlands, TNW.  Width (fit), Or, Acres  Acres  Acres  Acres  Acres:  Acres |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

# Feature ID: 65B4A As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 751.60 linear feet (ft), 25.29 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008

✓ Other Photographs (Name and Date): Ground Photos; May 2012☐ Previous Determinations File No. and Date of Response Letter:

☐ Applicable/Supporting Case Law Citation:

Other Information, Please Specify: Additional Comments to Support JD:

Applicable/Supporting Scientific Literature Citation:

| SECTION I: BACKGROUND INFORMATION  |                      |
|--|----------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                      |
| B. District Office and File No: Los Angeles District, File No. Pending   |                      |
| C. Project Location and Background Information: Drainage Feature 65C   |                      |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties, A  | rizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                      |
| Name of nearest waterbody: Unnamed Wash 65C  |                      |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam  HUC Code: 15050306  |                      |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                      |
| D. Review Performed for Site Evaluation:   |                      |
|  |                      |
| Office Determination. Date:  |                      |
| Field Determination. Date: 05/2012   |                      |
| SECTION II: SUMMARY OF FINDINGS  |                      |
| A. RHA Section 10 Determination of Jurisdiction  |                      |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.  |                      |
| B. CWA Section 404 Determination of Jurisdiction   |                      |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.  |                      |
| 1. Waters of the US:   |                      |
| Linear Feet Width (ft) and/or Acres  |                      |
| Limits of Jurisdiction based on:   |                      |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined not t</li></ul>   | o be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drainage considered jurisdictional if it possessed a significant nexus with a downstream TNW. not possess a significant nexus with the downstream TNW. | •                    |
| SECTION III: CWA ANALYSIS  |                      |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                      |
| 1. Identified TNW:   |                      |
| Rationale for TNW determination:   |                      |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                      |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                      |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                    |
| Drainage Area (sq mi): 0.00049 River Miles from tributary to TNW:  | 30 (or more)         |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:   |                      |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW:  Aerial Miles from tributary to RPW:   | 30 (or more)         |
| ☐ Project waters cross or serve as state boundaries. Explain:  |                      |

Feature ID: 65C

| Identify flow route to |                     | -l Al !     | Anna ana ulkimakali shiib shamaka kha Camba Dana Misaba Tarasa shi  |
|------------------------|---------------------|-------------|---|
| •                      |                     | •           | s Area are ultimately tributary to the Santa Rosa Wash. Topography itial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural  |                     | Explain:    |   |
| Average Width (ft):    | 14.84               |             |   |
| Average Depth (ft):    | 1                   |             |   |
| Average Side Slopes:   | 2:1                 |             |   |
| ✓ Silts ☐ Sands        |                     | Cobbles     | ☐ Bedrock ☑ Gravel ☐ Vegetation   |
|                        | Лuck                | Other, E    | explain:  |
| ☐ Concrete ☐ N         |                     | ·           | Stable  |
| ☐ Concrete ☐ M         | Stability           | /. Explain: | Stable  |
|                        | Stability<br>e/Pool | /. Explain: | Stable s. Explain: Not Present  |

| (c) Flow:                  |                       |             |                   |             |                  |  |
|----------------------------|-----------------------|-------------|-------------------|-------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average F   | low Events per    | year:       | 2-5              |  |
| Describe Flow Regime:      | Ephemeral             | Other Info  | rmation on Du     | ration and  | l Volume:        |  |
| Surface Flow is:           | Confined              | Characteri  | istics:           |             |                  |  |
| Subsurface Flow:           | No                    | Explain:    |                   |             |                  |  |
| Tributary Has:             |                       |             |                   |             |                  |  |
|                            |                       |             |                   |             |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:             |             |                   |             |                  |  |
|                            | impressed on the bank | □Ve         | egetation matte   | ed down, l  | pent or absent   |  |
| ✓ Changes in soil cha      | •                     |             | af litter disturk | •           |                  |  |
| ☐ Shelving                 |                       | ☐ Pr        | esence of litter  | and debr    | is               |  |
| ☐ Sediment deposition      | on                    | <b>✓</b> De | estruction of te  | rrestrial v | egetation        |  |
| Sediment sorting           |                       | □ Ab        | orupt change in   | plant con   | nmunity          |  |
| ☐ Scour                    |                       | $\square$ M | ultiple observe   | d or predi  | cted flow events |  |
| ☐ Presence of wrack        | line                  | $\square$ W | ater staining     |             |                  |  |
| Other (list):              |                       |             |                   |             |                  |  |
| ☐ Discontinuous? Ex        | kplain:               |             |                   |             |                  |  |
| (iii) Chemical Characteris | etics:                |             |                   |             |                  |  |
|                            |                       |             |                   |             |                  |  |
| Characterize Tributa       |                       |             |                   |             |                  |  |
| Identify Specific Poll     | utants, ii known:     |             |                   |             |                  |  |
|                            |                       |             |                   |             |                  |  |
|                            |                       |             |                   |             |                  |  |
|                            |                       |             |                   |             |                  |  |
|                            |                       |             |                   |             |                  |  |

| (iv) Biological Characterist  | ics. Channel supports (check all that apply):  |
|---|--|
| ☐ Riparian Corridor(  | Characteristics:   |
| ☐ Wetland Fringe Ch   | aracteristics:   |
| Habitat for:  |  |
| ☐ Federally Listed Spe  | ecies Explain:   |
| ☐ Fish/Spawn Areas  | Explain:   |
| •   | ally -sensitive species Explain:   |
| ☐ Aquatic/Wildlife div  | versity Explain:   |
| 2   | and a discount to the Tanarah at flow discounts and discounts into Tanar                 |
| 2. Characteristics of Wetia<br>(i) Physical Characteristics   | ands adjacent to non-TNW that flow directly or indirectly into TNW<br>:                  |
| Wetland Size (ac):  | Wetland Type, Explain:   |
| Wetland Quality, Expla  | ain:   |
| Project Wetlands Cros   | ss or Serve as State Boundaries, Explain:  |
| Wetland Flow is:  | Explain:   |
| Surface Flow is:  | Characteristics:   |
| Subsurface Flow:  | Explain Findings:  |
| <ul> <li>□ Wetland Directly Al</li> <li>□ Wetland Not Direct</li> <li>□ Discrete wetland</li> <li>□ Ecological connect</li> <li>□ Separated by ber</li> <li>Project Wetlands: Rive</li> </ul> | tly Abutting Non-TNW I hydrologic connection Explain: ction Explain: rm/barrier Explain: |
| Project Wetlands: Aer   |  |
| Flow is From:   | iai ivilles itotti tivv.   |
|   | of Wetland within Floodplain:  |
| (ii) Chemical Characteristic  |  |
|   |  |
| Characterize Wetland  | System:  |
| (iii) Biological Characterist   | ics. Wetland supports (check all that apply):  |
| ☐ Riparian Buffer E   | xplain:  |
|   | percent cover. Explain:  |
| Habitat for:  |  |
| ☐ Federally Listed S  |  |
| F: 1. /C  | ·  |
| ☐ Fish/Spawn Area   |  |
| ☐ Other environme   | entally-sensitive species Explain:   |
| • •   | ,  |
| ☐ Other environme☐ Aquatic/Wildlife   | ,  |
| ☐ Other environme☐ Aquatic/Wildlife  3. Characteristics of all we   | Diversity Explain:   |
| ☐ Other environme☐ Aquatic/Wildlife  3. Characteristics of all we All wetland(s) conside  | Diversity Explain: etlands adjacent to the non-TNW tributary (if any)                    |

|   | T NEXUS DETERMINATION  |
|---|--|
| 1. Significan into TNW. I   | t nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly explain:   |
| between Po<br>discharges, i<br>downstream<br>possibility of<br>critical habit<br>does not pro<br>drainage do<br>biological in   | ed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River wers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood in combination with the geomorphology of the Analysis Area, the presence of a significant in manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the fractional factorial forms are identified within the Analysis Area. Additionally, this unnamed ephemeral drainage ovide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This less not have more than a speculative or insubstantial effect on the physical, chemical, and/or tegrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant the TNW reach of the Gila River between Powers Butte and Gillespie Dam. |
| _   | t nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly into TNW. Explain:  |
| 3. Significar Explain:  | t nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
|   | Linear Feet Width (ft), Or, Acres ds adjacent to TNWs: Acres r Section III D 2 (RPWs):   |
|   | s that flow directly or indirectly into TNWs.  |
| 5. NON-KPW  | o that hot uncorry or maneous mes section  |
| ☐ Non-TN\<br>with a TI  | N/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus NW, and is therfore jurisdictional.  |
| □ Non-TN\<br>with a TI<br>Length (  | NW, and is therfore jurisdictional.  Linear Feet): Width (feet): Acres:  |
| ☐ Non-TN\ with a TI Length ( Reserved for   | NW, and is therfore jurisdictional.  Linear Feet): Width (feet): Acres:  or Section III D 4 (Wetlands directly abutting RPWs):   |
| ☐ Non-TN\ with a TI Length ( Reserved for   | NW, and is therfore jurisdictional.  Linear Feet): Width (feet): Acres:  or Section III D 4 (Wetlands directly abutting RPWs):  or Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |
| □ Non-TNN with a TI Length ( Reserved for Reserved for G. Wetland has a significant with the control of the co | NW, and is therfore jurisdictional.  Linear Feet): Width (feet): Acres:  or Section III D 4 (Wetlands directly abutting RPWs):  or Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  s adjacent to non-RPWs that flow directly or indirectly into TNWs.  d adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, gnificant nexus with the TNW.  |
| □ Non-TNN with a Till Length ( Reserved for Reserved for G. Wetland has a sign Estimat  | NW, and is therfore jurisdictional.  Linear Feet):  Width (feet):  Acres:  Or Section III D 4 (Wetlands directly abutting RPWs):  Or Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  Is adjacent to non-RPWs that flow directly or indirectly into TNWs.  Id adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, gnificant nexus with the TNW.  Bed size of jurisdictional wetland (in acres):  |
| □ Non-TNN with a TI Length ( Reserved for Reserved for Seed and S | NW, and is therfore jurisdictional.  Linear Feet): Width (feet): Acres:  or Section III D 4 (Wetlands directly abutting RPWs):  or Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  s adjacent to non-RPWs that flow directly or indirectly into TNWs.  d adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, gnificant nexus with the TNW.  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 65C   |                        |              |                |                        |             |
|---|------------------------|--------------|----------------|------------------------|-------------|
| As described in Section 3C1 a possess a significant nexus w |                        | •            | neral drainag  | ge determined that it  | did not     |
| Explain finding of Other:                                   |                        |              |                |                        |             |
| ✓ Non-wetland waters  | 928.57 linear          | feet (ft),   | 14.84 v        | vidth (ft)             |             |
| ☐ Other waters  | acres                  |              |                |                        |             |
| ☐ Wetlands  | acres                  |              |                |                        |             |
| SECTION IV: DATA SOURCES                                    |                        |              |                |                        |             |
| ✓ Maps, Plans, Plots or Plat                                | Submitted by App       | licant/Cons  | sultant: We    | estLand Resources. In  | C.          |
| ✓ Data Sheets Prepared/Su                                   |                        | -            | outcorre. We   | steama nesources, mi   | C.          |
| ☐ Office Concurs with d                                     |                        | . ,          |                |                        |             |
| ☐ Office Does Not Conc                                      |                        |              |                |                        |             |
| ☐ Data Sheets Prepared by                                   | the Corps              |              |                |                        |             |
| ☐ Corps Navigable Water S                                   | •                      |              |                |                        |             |
| ☐ US Geological Survey Hyd                                  | •                      |              |                |                        |             |
| ☐ USGS NHD Data   |                        |              |                |                        |             |
| USGS 8 and 12 digit H                                       | IIIC Man               |              |                |                        |             |
| _   |                        |              |                |                        |             |
| ✓ US Geological Survey Ma                                   |                        |              |                |                        |             |
| Silver Reef Mountain  | s SE, North Komelik,   | and Santa I  | Rosa Mount     | ains NW 7.5-Minute (   | Quadrangles |
| ☐ USDA Nat'l Res Conserva                                   | tion Service Soil Surv | vey Citatio  | on:            |                        |             |
| ☐ National Wetlands Inven                                   | tory Maps Cite M       | ap Name:     |                |                        |             |
| ☐ State/Local Wetland Inve                                  | entory Maps            |              |                |                        |             |
| ☐ FEMA/FIR Maps   |                        |              |                |                        |             |
| ☐ 100-year Floodplain Elev                                  | ation is:              |              | (National      | Geodetic Vertical Dati | um of 1929) |
| Aerial Photographs (Na                                      | me and Date): BING     | 6, Microsoft | t Virtual Eart | :h 2008                |             |
| Other Photographs (Na                                       | me and Date): Grou     | und Photos;  | May 2012       |                        |             |
| Previous Determinations                                     | File No. and Date      | of Response  | e Letter:      |                        |             |
| ☐ Applicable/Supporting Ca                                  | ase Law Citation:      |              |                |                        |             |
| Applicable/Supporting Sc                                    | ientific Literature    | Citation:    |                |                        |             |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>     |                         |                 |                             |
|---|-------------------|-------------------------|-----------------|-----------------------------|
| A. Report Completion Date for App   | roved Jurisdictio | onal Determination:     | 07/30/2012      |                             |
| B. District Office and File No: Los   |                   |                         |                 |                             |
| C. Project Location and Background  | d Information:    | Drainage Feature 65     | D               |                             |
| City, County, State Sif Oidak Dis   | trict, Tohono O'  | odham Nation, Pima a    | and Pinal Cour  | nties, Arizona              |
| Center coordinates of site: Lat.  | 32.5073           | Long111.9100            |                 |                             |
| Name of nearest waterbody: Uni  | named Wash 65     | D                       |                 |                             |
| Name of nearest downstream TNV  | V: Gila River be  | etween Powers Butte     | and Gillespie I | Dam                         |
| HUC Code: 15050306  |                   |                         |                 |                             |
| ✓ Map/Diagram of potential jurise   | dictional area is | available on request    |                 |                             |
| D. Review Performed for Site Evalu  | ation:            |                         |                 |                             |
| Office Determination. Date:   |                   |                         |                 |                             |
| Field Determination. Date: 05/2   | 2012              |                         |                 |                             |
| SECTION II: SUMMARY OF FINDING  | <u>GS</u>         |                         |                 |                             |
| A. RHA Section 10 Determination   | of Jurisdiction   |                         |                 |                             |
| There Are No "navigable waters  | of the U.S." wit  | hin RHA jurisdiction ir | the review a    | rea.                        |
| B. CWA Section 404 Determination  | n of Jurisdiction |                         |                 |                             |
| There Are No "waters of the   | e U.S." within C  | WA jurisdiction in the  | review area.    |                             |
| 1. Waters of the US:  |                   |                         |                 |                             |
| Linear Feet   | \                 | Width (ft) and/or       | Acr             | es                          |
| Limits of Jurisdiction based on:  |                   |                         |                 |                             |
| 2. Non-Regulated Waters/Wet   | ands.             |                         |                 |                             |
| ✓ Potentially jurisdictional wa   |                   | lands were assessed a   | ınd determine   | d not to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a si | gnificant nexus with a  |                 |                             |
| SECTION III: CWA ANALYSIS   |                   |                         |                 |                             |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs        |                         |                 |                             |
| 1. Identified TNW:  |                   |                         |                 |                             |
| Rationale for TNW determinat  | ion:              |                         |                 |                             |
| 2. Rationale for conclusion tha   | t anv wetlands r  | present are "adiacent"  | ':              |                             |
|   | ·                 | •                       |                 |                             |
| B. CHARACTERISTICS OF NON-TN\<br>TNW Watershed Size (sq mi):                        | 49650             | Tributaries flow t      |                 | 4                           |
| Drainage Area (sq mi):  | 0.00082           | River Miles from        |                 |                             |
| Average Annual Rainfall (in):   | 8.5               | River Miles from        | •               |                             |
| Average Annual Snowfall (in):   | 0                 | Aerial Miles from       | tributary to T  | NW: 30 (or more)            |
|   |                   | Aerial Miles from       | tributary to F  | RPW:                        |
| <ul> <li>Project waters cross or serv</li> </ul>                                    | e as state bound  | daries. Explain:        |                 |                             |

Feature ID: 65D

| •  | within 1                                      | the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography<br>ite of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|--|---|--|
| Fributary is: Natural  |   | Explain:   |
| Average Width (ft):  | 15.83   |  |
| verage Depth (ft):   | 1   |  |
|  |   |  |
| Primary tributary sub  | strate  | composition (check all that apply):  |
| ✓ Silts ☐ Sands  | strate  | composition (check all that apply):  Cobbles □ Bedrock ☑ Gravel □ Vegetation  Other, Explain:  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                        | strate  | Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  Other, Explain:   |
| Primary tributary sub  ✓ Silts □ Sands □ Concrete □ M  Tributary Condition/S | strate  // // // // // // // // // // // // / | Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  Other, Explain:   |
| Primary tributary sub  ✓ Silts □ Sands □ Concrete □ M  Tributary Condition/S | strate  //uck  Stability e/Pool               | Cobbles ☐ Bedrock ✔ Gravel ☐ Vegetation  Other, Explain:  y. Explain: Stable   |

(c) Flow:

| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Eve   | ents per ye | ear:      | 2-5                 |   |
|----------------------------|-----------------------|------------------|------------|-------------|-----------|---------------------|---|
| Describe Flow Regime:      | Ephemeral             | Other Inf        | ormatio    | n on Dura   | tion an   | d Volume:           |   |
| Surface Flow is:           | Confined              | Characte         | ristics:   |             |           |                     |   |
| Subsurface Flow:           | No                    | Explain:         |            |             |           |                     |   |
| Tributary Has:             |                       |                  |            |             |           |                     |   |
| ☐ Bed and Banks            |                       |                  |            |             |           |                     |   |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |            |             |           |                     |   |
| ☐ Clear, natural line      | impressed on the bank |                  | /egetati   | on matted   | down,     | bent or absent      |   |
| Changes in soil cha        | aracter               | □ L              | eaf litte. | r disturbe  | d or wa   | shed away           |   |
| ☐ Shelving                 |                       | □ P              | resence    | of litter a | nd deb    | ris                 |   |
| ☐ Sediment deposition      | on                    | ✓ [              | Destruct   | ion of terr | estrial v | egetation egetation |   |
| Sediment sorting           |                       |                  | Abrupt c   | hange in p  | lant co   | mmunity             |   |
| ☐ Scour                    |                       |                  | Multiple   | observed    | or pred   | icted flow events   | ı |
| ☐ Presence of wrack        | line                  | $\square$ $\vee$ | Vater st   | aining      |           |                     |   |
| Other (list):              |                       |                  |            |             |           |                     |   |
| ☐ Discontinuous? Ex        | kplain:               |                  |            |             |           |                     |   |
| (iii) Chemical Characteris | tice                  |                  |            |             |           |                     |   |
|                            |                       |                  |            |             |           |                     |   |
| Characterize Tributa       |                       |                  |            |             |           |                     |   |
| Identify Specific Poll     | utants, if known:     |                  |            |             |           |                     |   |
|                            |                       |                  |            |             |           |                     |   |
|                            |                       |                  |            |             |           |                     |   |
|                            |                       |                  |            |             |           |                     |   |
|                            |                       |                  |            |             |           |                     |   |

| v) Biological Characterist   | ics. Channel supports (check all that apply):   |
|--|---|
| ☐ Riparian Corridor(   | Characteristics:  |
| ☐ Wetland Fringe Ch  | aracteristics:  |
| Habitat for:   |   |
| ☐ Federally Listed Spe   | ecies Explain:  |
| ☐ Fish/Spawn Areas   | Explain:  |
| •  | ally -sensitive species Explain:  |
| ☐ Aquatic/Wildlife div   | ·   |
|  | and a discount of the state of |
| i) Physical Characteristics  | ands adjacent to non-TNW that flow directly or indirectly into TNW :  |
| Wetland Size (ac):   | Wetland Type, Explain:  |
| Wetland Quality, Expla   | ain:  |
| Project Wetlands Cros  | ss or Serve as State Boundaries, Explain:   |
| Wetland Flow is:   | Explain:  |
| Surface Flow is:   | Characteristics:  |
| Subsurface Flow:   | Explain Findings:   |
| ☐ Wetland Directly Al  | outting Non-TNW   |
| ☐ Wetland Not Direct   | ly Abutting Non-TNW   |
| ☐ Discrete wetland   | hydrologic connection Explain:  |
| ☐ Ecologcal connec   | ction Explain:  |
| $\square$ Separated by ber   | rm/barrier Explain:   |
| Project Wetlands: Rive   | er Miles from TNW:  |
| Project Wetlands: Aer  | ial Miles from TNW:   |
| Flow is From:  |   |
| Approximate Location   | of Wetland within Floodplain:   |
| ii) Chemical Characteristic  | cs:   |
| Characterize Wetland   | System:   |
|  |   |
| -  | cics. Wetland supports (check all that apply):  |
| ☐ Riparian Buffer E  | ·   |
| •  | ercent cover. Explain:  |
| Habitat for:   | Species Evaluin   |
| ☐ Federally Listed S☐ Fish/Spawn Area                                    |   |
| • •  | entally-sensitive species Explain:  |
|  |   |
|  |   |
| ☐ Aquatic/Wildlife   |   |
| ☐ Aquatic/Wildlife   | etlands adjacent to the non-TNW tributary (if any)  |
| ☐ Aquatic/Wildlife  3. Characteristics of all we                         |   |
| ☐ Aquatic/Wildlife  3. Characteristics of all we  All wetland(s) conside | etlands adjacent to the non-TNW tributary (if any)  |

| C. SIGNIFICANT NEXUS DET   | ERMINATION  |
|--|---|
| 1. Significant nexus findi into TNW. Explain:  | ings for non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and discharges, in combination downstream manmade in possibility of a hydrologic critical habitats were idea does not provide lifecycle drainage does not have no biological integrity of the   | In drainage is located more than 100 river miles from the nearest TNW, the Gila River and Gillespie Dam. An analysis of peak yearly discharges and potential flood on with the geomorphology of the Analysis Area, the presence of a significant impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the connection between this drainage and the TNW is tenuous. No pollutants or intified within the Analysis Area. Additionally, this unnamed ephemeral drainage e support functions, nutrients, or organic carbon to species within the TNW. This more than a speculative or insubstantial effect on the physical, chemical, and/or a TNW. Therefore, this unnamed ephemeral drainage does not possess a significant ch of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findi or indirectly into TNW. E   | ings for non-RPW and its adjacent wetlands, where the non-RPW flows directly Explain:   |
| 3. Significant nexus findi<br>Explain:   | ings for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| <ul><li>☐ TNWs:</li><li>☐ Wetlands adjacent to</li></ul>   | Linear Feet Width (ft), Or, Acres o TNWs: Acres   |
| Reserved for Section III D   | ) 2 (RPWs):   |
| Reserved for Section III D   |   |
| 3. Non-RPWs that flow on the second of the s | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus perfore jurisdictional.  |
| 3. Non-RPWs that flow of Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet): Acres:  |
| 3. Non-RPWs that flow of Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III  | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):  |
| 3. Non-RPWs that flow of Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III III Reserved for Section III III   | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus perfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  |
| 3. Non-RPWs that flow of Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III Reserved for Section III G. Wetlands adjacent to has a significant next  | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet):  Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  O non-RPWs that flow directly or indirectly into TNWs.  In non-RPWs which, in combination with the tributary and other adjacent wetlands, us with the TNW.   |
| 3. Non-RPWs that flow of Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III Reserved for Section III Consideration of Section | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus nerfore jurisdictional.  Width (feet):  Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  D non-RPWs that flow directly or indirectly into TNWs.  In non-RPWs which, in combination with the tributary and other adjacent wetlands, us with the TNW.  isdictional wetland (in acres):  |
| 3. Non-RPWs that flow of Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III II Reserved for Section III II G. Wetlands adjacent to has a significant next Estimated size of juris  | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus perfore jurisdictional.  Width (feet):  Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  O non-RPWs that flow directly or indirectly into TNWs.  In non-RPWs which, in combination with the tributary and other adjacent wetlands, us with the TNW.  isdictional wetland (in acres):  risdictional waters.  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 65D  |   |
|--|---|
|  | ion 3C1 above, an analysis of this ephemeral drainage determined that it did not nexus with the nearest TNW.  |
| Explain finding of O   | ther:   |
| ✓ Non-wetland war  ☐ Other waters  ☐ Wetlands  | ters 1438.44 linear feet (ft), 15.83 width (ft) acres acres   |
| SECTION IV: DATA SOU   | RCFS  |
| Data Sheets Pre  ☐ Office Concu ☐ Office Does N ☐ Data Sheets Pre ☐ Corps Navigable ☐ US Geological Su ☐ USGS NHD D ☐ USGS 8 and ☐ US Geological Su ☐ US Geological Su | rvey Hydrologic Atlas   |
| <ul><li>□ National Wetlan</li><li>□ State/Local Wet</li><li>□ FEMA/FIR Ma</li><li>□ 100-year Floodp</li></ul>  | Conservation Service Soil Survey Citation: ds Inventory Maps Cite Map Name: land Inventory Maps lain Elevation is: (National Geodetic Vertical Datum of 1929) ths (Name and Date): BING, Microsoft Virtual Earth 2008 |
|  | ohs (Name and Date): Ground Photos; May 2012  |
|  | ninations File No. and Date of Response Letter:   |
|  | orting Case Law Citation: orting Scientific Literature Citation:  |

Other Information, Please Specify:

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>       |                      |                                     |            |                      |
|--|---------------------|----------------------|-------------------------------------|------------|----------------------|
| A. Report Completion Date for App  | oroved Jurisdiction | onal Determinatio    | n: 07/30/201                        | .2         |                      |
| B. District Office and File No: Los  | Angeles District,   | File No. Pending     |                                     |            |                      |
| C. Project Location and Background   | d Information:      | Drainage Feature     | 65E                                 |            |                      |
| City, County, State Sif Oidak Dis  | strict, Tohono O'   | odham Nation, Pi     | ma and Pinal Co                     | unties, A  | rizona               |
| Center coordinates of site: Lat.   | 32.5073             | Long111.9            | 100                                 |            |                      |
| Name of nearest waterbody: Un  | named Wash 65       | E                    |                                     |            |                      |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | W: Gila River be    | etween Powers Bu     | itte and Gillespi                   | e Dam      |                      |
| ✓ Map/Diagram of potential juris   | dictional area is   | available on reque   | est                                 |            |                      |
| D. Review Performed for Site Evalu   | ation:              |                      |                                     |            |                      |
| Office Determination. Date:  |                     |                      |                                     |            |                      |
| Field Determination. Date: 05/2  | 2012                |                      |                                     |            |                      |
| SECTION II: SUMMARY OF FINDING   | GS                  |                      |                                     |            |                      |
| A. RHA Section 10 Determination  |                     |                      |                                     |            |                      |
| There Are No "navigable waters   |                     | hin RHA jurisdiction | on in the review                    | area.      |                      |
| B. CWA Section 404 Determination   | on of Jurisdiction  |                      |                                     |            |                      |
| There Are No "waters of the  | ne U.S." within C   | WA jurisdiction in   | the review area                     | э.         |                      |
| 1. Waters of the US:   |                     |                      |                                     |            |                      |
| Linear Feet  | 1                   | Width (ft) and/or    | Д                                   | cres       |                      |
| Limits of Jurisdiction based on:   |                     |                      |                                     |            |                      |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional was</li> </ol> |                     | lands were assess    | ed and determi                      | ned not to | o be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne    | it possessed a si   | gnificant nexus wi   | •                                   | •          | •                    |
| SECTION III: CWA ANALYSIS  |                     |                      |                                     |            |                      |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs         |                      |                                     |            |                      |
| 1. Identified TNW:   |                     |                      |                                     |            |                      |
| Rationale for TNW determinat   | ion:                |                      |                                     |            |                      |
| 2. Rationale for conclusion tha  | t any wetlands ¡    | oresent are "adjac   | ent":                               |            |                      |
| B. CHARACTERISTICS OF NON-TN   | N TRIBUTARY A       | ND ITS ADJACENT      | WETLANDS                            |            |                      |
| TNW Watershed Size (sq mi):  | 49650               | Tributaries flo      |                                     |            | 4                    |
| Drainage Area (sq mi):   | 0.00156<br>8.5      |                      | om tributary to                     |            | 30 (or more)         |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                            | 0                   |                      | om tributary to<br>rom tributary to |            | 30 (or more)         |
|  | -                   |                      | rom tributary to                    |            |                      |
| ☐ Project waters cross or serv   | e as state bound    | daries. Explain:     |                                     |            |                      |

Feature ID: 65E

| Unnamed drainages v<br>suggests the most lik<br>River. |                                  | -                                 |                                       | •            | •            | osa Wash. Topography<br>uz Wash to the Gila |
|--|----------------------------------|-----------------------------------|---------------------------------------|--------------|--------------|---|
| Tributary is: Natural                                  |                                  | Explain:                          |                                       |              |              |   |
| Average Width (ft):                                    | 18.24                            |                                   |                                       |              |              |   |
| Average Depth (ft):                                    | 1                                |                                   |                                       |              |              |   |
| Average Side Slopes:                                   | 2:1                              |                                   |                                       |              |              |   |
| Primary tributary sub                                  |                                  | compositic                        | n (check all                          | that apply): |              |   |
| ✓ Silts ☐ Sands  | strate                           | compositic<br>Cobbles<br>Other, E | ☐ Bedro                               |              | ☐ Vegetation |   |
| ✓ Silts ☐ Sands  | ostrate  Juck                    | Cobbles<br>Other, E               | ☐ Bedro                               |              | □ Vegetation |   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/S  | ostrate  Juck Stability          | Cobbles Other, E                  | ☐ Bedroo                              |              | ☐ Vegetation |   |
| ✓ Silts ☐ Sands  | ostrate  Muck  Stability  e/Pool | Cobbles Other, E                  | Bedroo  Explain:  Stable  S. Explain: | ck 🗹 Gravel  | □ Vegetation |   |

| (c) Flow:                       |                      |              |           |              |           |                 |  |
|---------------------------------|----------------------|--------------|-----------|--------------|-----------|-----------------|--|
| Tributary Provides for:         | Ephemeral Flow       | Average      | Flow Eve  | ents per ye  | ar:       | 2-5             |  |
| Describe Flow Regime:           | Ephemeral            | Other Inf    | ormatic   | n on Durat   | ion and   | Volume:         |  |
| Surface Flow is:                | Confined             | Characte     | ristics:  |              |           |                 |  |
| Subsurface Flow:                | No                   | Explain:     |           |              |           |                 |  |
| Tributary Has:                  |                      |              |           |              |           |                 |  |
| $\square$ Bed and Banks         |                      |              |           |              |           |                 |  |
| ✓ OHWM: OHWM Inc                | licators:            |              |           |              |           |                 |  |
| $\square$ Clear, natural line i | mpressed on the bank | : □ <b>ν</b> | egetati   | on matted    | down, b   | ent or absent   |  |
| Changes in soil cha             | racter               |              | eaf litte | r disturbed  | or wasl   | ned away        |  |
| ☐ Shelving                      |                      | □ P          | resence   | of litter ar | nd debri  | S               |  |
| ☐ Sediment deposition           | on                   | ✓ [          | estruct   | ion of terre | strial ve | getation        |  |
| Sediment sorting                |                      |              | brupt c   | hange in pl  | ant com   | munity          |  |
| ☐ Scour                         |                      |              | ∕lultiple | observed o   | or predic | ted flow events |  |
| ☐ Presence of wrack             | line                 | □ V          | Vater st  | aining       |           |                 |  |
| Other (list):                   |                      |              |           |              |           |                 |  |
| ☐ Discontinuous? Ex             | xplain:              |              |           |              |           |                 |  |
| (iii) Chemical Characteris      | tics:                |              |           |              |           |                 |  |
| Characterize Tributar           | γ:                   |              |           |              |           |                 |  |
| Identify Specific Pollu         |                      |              |           |              |           |                 |  |
| <br>                            |                      |              |           |              |           |                 |  |
|                                 |                      |              |           |              |           |                 |  |
|                                 |                      |              |           |              |           |                 |  |
|                                 |                      |              |           |              |           |                 |  |

| (iv) Biological Characteristics. Channel supports (check all that apply):  Riparian Corridor Characteristics:  Wetland Fringe Characteristics:  Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally -sensitive species Explain:  Aquatic/Wildlife diversity Explain:  2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  (i) Physical Characteristics:  Wetland Size (ac):  Wetland Type, Explain:  Project Wetlands Cross or Serve as State Boundaries, Explain:  Wetland Flow is:  Explain: |       |
|--|-------|
| <ul> <li>□ Wetland Fringe Characteristics:</li> <li>□ Habitat for:</li> <li>□ Federally Listed Species Explain:</li> <li>□ Fish/Spawn Areas Explain:</li> <li>□ Other environmentally -sensitive species Explain:</li> <li>□ Aquatic/Wildlife diversity Explain:</li> <li>2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW</li> <li>(i) Physical Characteristics:</li> <li>Wetland Size (ac): Wetland Type, Explain:</li> <li>Wetland Quality, Explain:</li> <li>Project Wetlands Cross or Serve as State Boundaries, Explain:</li> </ul>  |       |
|  |       |
| ☐ Federally Listed Species Explain: ☐ Fish/Spawn Areas Explain: ☐ Other environmentally -sensitive species Explain: ☐ Aquatic/Wildlife diversity Explain: ☐ Aquatic/Wildlife diversity Explain:  2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  (i) Physical Characteristics:  Wetland Size (ac): Wetland Type, Explain: Wetland Quality, Explain: Project Wetlands Cross or Serve as State Boundaries, Explain:  |       |
| ☐ Fish/Spawn Areas   |       |
| ☐ Other environmentally -sensitive species   |       |
| Aquatic/Wildlife diversity Explain:  Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  i) Physical Characteristics:  Wetland Size (ac):  Wetland Type, Explain:  Wetland Quality, Explain:  Project Wetlands Cross or Serve as State Boundaries, Explain:   |       |
| Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  i) Physical Characteristics:  Wetland Size (ac):  Wetland Type, Explain:  Wetland Quality, Explain:  Project Wetlands Cross or Serve as State Boundaries, Explain:  |       |
| Wetland Size (ac): Wetland Type, Explain: Wetland Quality, Explain: Project Wetlands Cross or Serve as State Boundaries, Explain:  |       |
| i) Physical Characteristics:  Wetland Size (ac): Wetland Type, Explain:  Wetland Quality, Explain:  Project Wetlands Cross or Serve as State Boundaries, Explain:  |       |
| Wetland Quality, Explain: Project Wetlands Cross or Serve as State Boundaries, Explain:  |       |
| Wetland Quality, Explain: Project Wetlands Cross or Serve as State Boundaries, Explain:  |       |
|  |       |
| Wetland Flow is: Explain:  |       |
|  |       |
| Surface Flow is: Characteristics:  |       |
| Subsurface Flow: Explain Findings:   |       |
| ☐ Wetland Directly Abutting Non-TNW  |       |
| ☐ Wetland Not Directly Abutting Non-TNW  |       |
| ☐ Discrete wetland hydrologic connection Explain:  |       |
| ☐ Ecological connection Explain:   |       |
| ☐ Separated by berm/barrier Explain:   |       |
| Project Wetlands: River Miles from TNW:  |       |
| Project Wetlands: Aerial Miles from TNW:   |       |
| Flow is From:  |       |
| Approximate Location of Wetland within Floodplain:   |       |
| i) Chemical Characteristics:   |       |
| Characterize Wetland System:   |       |
|  |       |
| ii) Biological Characteristics. Wetland supports (check all that apply):   |       |
| Riparian Buffer Explain:   |       |
| ☐ Vegetation type/percent cover. Explain:  |       |
| Habitat for:   |       |
| ☐ Federally Listed Species Explain: ☐ Fish/Spawn Areas Explain:  |       |
|  |       |
| <ul><li>☐ Other environmentally-sensitive species Explain:</li><li>☐ Aquatic/Wildlife Diversity Explain:</li></ul>   |       |
|  |       |
| . Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |       |
| All wetland(s) considered in cumulative analysis:  |       |
| Wetland acres in total being considered in cumulative analysis:  |       |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical function   | ons): |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila Rive between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  3. TNWs Linear Feet | SIGNIFICANT NEXUS DETERMIN  | ATION  |
|---|---|--|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  3. TNWs: Linear Feet  |   | non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:    DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands   TNWs:  | between Powers Butte and Gille discharges, in combination with downstream manmade impound possibility of a hydrologic connectical habitats were identified does not provide lifecycle suppodrainage does not have more the biological integrity of the TNW. | spie Dam. An analysis of peak yearly discharges and potential flood the geomorphology of the Analysis Area, the presence of a significant dment (Tat Momolikot Dam), and the distance to the TNW, suggests that the ction between this drainage and the TNW is tenuous. No pollutants or within the Analysis Area. Additionally, this unnamed ephemeral drainage rt functions, nutrients, or organic carbon to species within the TNW. This an a speculative or insubstantial effect on the physical, chemical, and/or Therefore, this unnamed ephemeral drainage does not possess a significant |
| Explain:  DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  |   | •  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional waters.  Demonstration of Jurisdictions:  ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   | _   | wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| □ TNWs: Linear Feet Width (ft), Or, Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs. □ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional. Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs. □ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW. Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters. Demonstration of Jurisdiction:  |   | •  |
| <ul> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.</li></ul>  | ☐ TNWs: Linea ☐ Wetlands adjacent to TNWs   | r Feet Width (ft), Or, Acres : Acres   |
| with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  | 3. Non-RPWs that flow directly  | or indirectly into TNWs.   |
| <ul> <li>□ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> <li>7. Impoundments of jurisdictional waters.</li> <li>Demonstration of Jurisdiction:</li> <li>ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF</li> </ul>   | with a TNW, and is therfore Length (Linear Feet):  Reserved for Section III D 4 (We   | wrisdictional.  Width (feet): Acres: etlands directly abutting RPWs):  |
| has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  | 6. Wetlands adjacent to non-R   | PWs that flow directly or indirectly into TNWs.  |
| Demonstration of Jurisdiction:  ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  | ☐ Wetland adjacent to non-RF has a significant nexus with   | Ws which, in combination with the tributary and other adjacent wetlands, the TNW.  |
| . ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  | 7. Impoundments of jurisdiction   | nal waters.  |
|   | Demonstration of Jurisdiction   | on:  |
|   | . ISOLATED WATERS. INCLUDING  | ISOLATED WETLANDS. THE USE, DEGRADATION OR DESTRUCTION OF  |
| THICH COULD AFFECT INTERSTATE COMMERCE  | /HICH COULD AFFECT INTERSTAT  |  |
|   |   | Acros  |
| Supporting rationale:  Length (linear feet): Acres:   |   |  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 65E  |   |  |                                      |                  |               |       |
|--|---|--|--------------------------------------|------------------|---------------|-------|
| As described in Section 3 possess a significant nex  | •   |  | eral draina                          | ge determined th | nat it did no | t     |
| Explain finding of Other:  |   |  |                                      |                  |               |       |
| <ul><li>Non-wetland waters</li><li>Other waters</li><li>Wetlands</li></ul>   | 2384.99   | linear feet (ft),<br>acres<br>acres            | 18.24                                | width (ft)       |               |       |
| SECTION IV: DATA SOURCES   | <u>,</u>  |  |                                      |                  |               |       |
| ✓ Maps, Plans, Plots or ✓ Data Sheets Prepared ☐ Office Concurs wit ☐ Office Does Not C ☐ Data Sheets Prepared ☐ Corps Navigable Wate ☐ US Geological Survey ☐ USGS NHD Data | I/Submitted on be<br>th delineation<br>oncur with delinea<br>I by the Corps<br>er Study | ehalf of Applicant                             | ultant: W                            | estLand Resource | es, Inc.      |       |
| $\square$ USGS 8 and 12 di   | git HUC Map   |  |                                      |                  |               |       |
| ✓ US Geological Survey Silver Reef Moun  |   | d Quad Name:<br>melik, and Santa R             | osa Moun                             | tains NW 7.5-Min | ute Quadra    | ngles |
| □ USDA Nat'l Res Conse<br>□ National Wetlands In<br>□ State/Local Wetland<br>□ FEMA/FIR Maps<br>□ 100-year Floodplain E<br>☑ Aerial Photographs<br>☑ Other Photographs       | ventory Maps Inventory Maps Elevation is: (Name and Date): (Name and Date):             | Cite Map Name:  BING, Microsoft Ground Photos; | (National<br>Virtual Ear<br>May 2012 |                  | l Datum of :  | 1929) |
| <ul><li>Previous Determinati</li><li>Applicable/Supportin</li><li>Applicable/Supportin</li><li>Other Information, Plant</li></ul>  | g Case Law Citat<br>g Scientific Literat  |  | Letter:                              |                  |               |       |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION   |
|---|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |
| B. District Office and File No: Los Angeles District, File No. Pending  |
| C. Project Location and Background Information: Drainage Feature 65E1   |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Counties, Arizona   |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |
| Name of nearest waterbody: Unnamed Wash 65E1  |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Dam   |
| HUC Code: 15050306  |
| ✓ Map/Diagram of potential jurisdictional area is available on request  |
| D. Review Performed for Site Evaluation:  |
| Office Determination. Date:   |
| Field Determination. Date: 05/2012  |
| SECTION II: SUMMARY OF FINDINGS   |
| A. RHA Section 10 Determination of Jurisdiction   |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area.   |
| B. CWA Section 404 Determination of Jurisdiction  |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.   |
| 1. Waters of the US:  |
| Linear Feet Width (ft) and/or Acres   |
| Limits of Jurisdiction based on:  |
| 2. Non-Regulated Waters/Wetlands:   |
| ✓ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be jurisdictional:  |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this drainage could only be considered jurisdictional if it possessed a significant nexus with a downstream TNW. This drainage does not possess a significant nexus with the downstream TNW. |
| SECTION III: CWA ANALYSIS   |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |
| 1. Identified TNW:  |
| Rationale for TNW determination:  |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS   |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW: 4  |
| Drainage Area (sq mi): 0.00024 River Miles from tributary to TNW: 30 (or more)  |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPW:  |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNW: 30 (or more)  Aerial Miles from tributary to RPW:   |
| ☐ Project waters cross or serve as state boundaries. Explain:   |

Feature ID: 65E1

| Identify flow route to                                | TNW:                         |                |  |
|---|------------------------------|----------------|--|
| _   |                              | •              | is Area are ultimately tributary to the Santa Rosa Wash. Topography ntial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural                                 |                              | Explain:       |  |
| Average Width (ft):                                   | 10.87                        |                |  |
| Average Depth (ft):                                   | 1                            |                |  |
| Average Side Slopes:                                  | 2:1                          |                |  |
| Primary tributary sub                                 | strate o                     | compositio     | on (check all that apply):   |
| ✓ Silts ☐ Sands                                       |                              | Cobbles        | on (check all that apply):  ☐ Bedrock  |
| ✓ Silts □ Sands                                       | □<br>∕luck                   | Cobbles Other, | ☐ Bedrock ☑ Gravel ☐ Vegetation  Explain:  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ N                        | □<br>⁄luck<br>Stability      | Cobbles Other, | ☐ Bedrock ☑ Gravel ☐ Vegetation  Explain:  Stable  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/S | /luck<br>Stability<br>e/Pool | Cobbles Other, | ☐ Bedrock  |

| (c) Flow:                  |                      |  |             |           |          |               |  |
|----------------------------|----------------------|--|-------------|-----------|----------|---------------|--|
|                            |                      | Average  | Flow Eve    |           |          |               |  |
| Describe Flow Regime:      | Ephemeral            | Other Inf  | ormatio     |           |          |               |  |
| Surface Flow is:           | Confined             | Characte   | ristics:    |           |          |               |  |
| Subsurface Flow:           | No                   | Explain:   |             |           |          |               |  |
| Tributary Has:             |                      |  |             |           |          |               |  |
| ☐ Bed and Banks            |                      |  |             |           |          |               |  |
| ✓ OHWM: OHWM Inc           | licators:            |  |             |           |          |               |  |
| ☐ Clear, natural line i    | mpressed on the bank | :  | /egetatio   | on matted | down, b  | ent or absent |  |
| Changes in soil cha        |                      | eaf litte.   | r disturbed | d or was  | hed away |               |  |
| ☐ Shelving                 | □ F                  | ☐ Presence of litter and debris                      |             |           |          |               |  |
| Sediment deposition        | <b>~</b> [           | Destruction of terrestrial vegetation                |             |           |          |               |  |
| ✓ Sediment sorting         |                      | ☐ Abrupt change in plant community                   |             |           |          |               |  |
| ☐ Scour                    |                      | $\square$ Multiple observed or predicted flow events |             |           |          |               |  |
| ☐ Presence of wrack        | line                 | ☐ Water staining                                     |             |           |          |               |  |
| Other (list):              |                      |  |             |           |          |               |  |
| ☐ Discontinuous? Ex        | plain:               |  |             |           |          |               |  |
| (iii) Chemical Characteris | tics:                |  |             |           |          |               |  |
| Characterize Tributar      | ry:                  |  |             |           |          |               |  |
| Identify Specific Pollu    | utants, if known:    |  |             |           |          |               |  |
|                            |                      |  |             |           |          |               |  |
|                            |                      |  |             |           |          |               |  |
|                            |                      |  |             |           |          |               |  |
|                            |                      |  |             |           |          |               |  |

| Feature ID: 65E1  |  |
|---|--|
| iv) Biological Characterist   | ics. Channel supports (check all that apply):                        |
| ☐ Riparian Corridor (   | Characteristics:   |
| ☐ Wetland Fringe Ch   | aracteristics:   |
| Habitat for:  |  |
| ☐ Federally Listed Spe  | ecies Explain:   |
| ☐ Fish/Spawn Areas  | Explain:   |
| •   | ally -sensitive species Explain:                                     |
| ☐ Aquatic/Wildlife div  | versity Explain:   |
|   | and a discount to the Table! The Africa discount of the Table!       |
| <ol><li>Characteristics of wetla<br/>(i) Physical Characteristics</li></ol> | ands adjacent to non-TNW that flow directly or indirectly into TNW : |
| Wetland Size (ac):  | Wetland Type, Explain:   |
| Wetland Quality, Expla  | ain:   |
| Project Wetlands Cros   | ss or Serve as State Boundaries, Explain:                            |
| Wetland Flow is:  | Explain:   |
| Surface Flow is:  | Characteristics:   |
| Subsurface Flow:  | Explain Findings:  |
| ☐ Wetland Directly Ab   | outting Non-TNW  |
| ☐ Wetland Not Direct  | ly Abutting Non-TNW  |
| $\square$ Discrete wetland  | hydrologic connection Explain:                                       |
| ☐ Ecologcal connec  | ction Explain:   |
| $\square$ Separated by ber  | rm/barrier Explain:  |
| Project Wetlands: Rive  | er Miles from TNW:   |
| Project Wetlands: Aer   | ial Miles from TNW:  |
| Flow is From:   |  |
| Approximate Location  | of Wetland within Floodplain:  |
| (ii) Chemical Characteristic  | CS:  |
| Characterize Wetland  | System:  |
|   |  |
| -   | cics. Wetland supports (check all that apply):                       |
| Riparian Buffer Ex  |  |
|   | ercent cover. Explain:   |
| Habitat for:  |  |
| ☐ Federally Listed S  |  |
| ☐ Fish/Spawn Area   | ·  |
|   | entally-sensitive species Explain:                                   |
| A au a+ia /\A/ildlifa   | Diversity Explain:   |
| ☐ Aquatic/Wildlife  |  |
| •   | etlands adjacent to the non-TNW tributary (if any)                   |
| 3. Characteristics of all we  | red in cumulative analysis:  |
| 3. Characteristics of all we All wetland(s) consider                        |  |

| SIGNIFICANT NEXUS DETERMINATION   |  |
|---|--|
| <ol> <li>Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or in<br/>into TNW. Explain:</li> </ol>  | ıdirectly  |
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a signification downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, sugge possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutar critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral does not provide lifecycle support functions, nutrients, or organic carbon to species within the TN drainage does not have more than a speculative or insubstantial effect on the physical, chemical, biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. | od<br>icant<br>ests that the<br>nts or<br>Irainage<br>NW. This<br>and/or |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows or indirectly into TNW. Explain:   | directly   |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the Explain:  | RPW.   |
| DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  | ;  |
| 3. Non-RPWs that flow directly or indirectly into TNWs.   |  |
| □ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:   | nt nexus   |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):   |  |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |  |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |  |
| ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent has a significant nexus with the TNW.  | wetlands,  |
| Estimated size of jurisdictional wetland (in acres):  |  |
|   |  |
| 7. Impoundments of jurisdictional waters.   |  |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

# Feature ID: 65E1 As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 606.03 linear feet (ft), 10.87 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ✓ Other Photographs (Name and Date): Ground Photos; May 2012 Previous Determinations File No. and Date of Response Letter: ☐ Applicable/Supporting Case Law Citation: Applicable/Supporting Scientific Literature Citation:

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>       |                     |                                       |                              |
|--|---------------------|---------------------|---------------------------------------|------------------------------|
| A. Report Completion Date for App  | roved Jurisdictio   | nal Determinatior   | n: 07/30/2012                         | 2                            |
| B. District Office and File No: Los  | Angeles District,   | File No. Pending    |                                       |                              |
| C. Project Location and Background   | d Information:      | Drainage Feature    | 65F                                   |                              |
| City, County, State Sif Oidak Dis  | strict, Tohono O'o  | odham Nation, Pir   | na and Pinal Cou                      | ınties, Arizona              |
| Center coordinates of site: Lat.   | 32.5073             | Long111.91          | 100                                   |                              |
| Name of nearest waterbody: Un  | named Wash 65F      |                     |                                       |                              |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                     | W: Gila River be    | tween Powers Bu     | tte and Gillespie                     | Dam                          |
| ✓ Map/Diagram of potential juris   | dictional area is a | ıvailable on reque  | st                                    |                              |
| D. Review Performed for Site Evalu   | ation:              |                     |                                       |                              |
| Office Determination. Date:  |                     |                     |                                       |                              |
| Field Determination. Date: 05/   | 2012                |                     |                                       |                              |
| SECTION II: SUMMARY OF FINDIN  | GS                  |                     |                                       |                              |
| A. RHA Section 10 Determination  |                     |                     |                                       |                              |
| There Are No "navigable waters   |                     | nin RHA jurisdictio | n in the review                       | area.                        |
| B. CWA Section 404 Determination   | on of Jurisdiction  |                     |                                       |                              |
| There Are No "waters of the  | ne U.S." within C\  | WA jurisdiction in  | the review area.                      |                              |
| 1. Waters of the US:   |                     |                     |                                       |                              |
| Linear Feet  | V                   | Vidth (ft) and/or   | Ac                                    | cres                         |
| Limits of Jurisdiction based on:   |                     |                     |                                       |                              |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional water</li> </ol> |                     | ands were assesse   | ed and determin                       | ed not to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne      | it possessed a sig  | gnificant nexus wit | •                                     |                              |
| SECTION III: CWA ANALYSIS  |                     |                     |                                       |                              |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs         |                     |                                       |                              |
| 1. Identified TNW:   |                     |                     |                                       |                              |
| Rationale for TNW determinate  | ion:                |                     |                                       |                              |
| 2. Rationale for conclusion tha  | t any wetlands p    | resent are "adjace  | ent":                                 |                              |
| B. CHARACTERISTICS OF NON-TN   | W TRIBUTARY AN      | D ITS ADJACENT V    | VETLANDS                              |                              |
| TNW Watershed Size (sq mi):  | 49650               | Tributaries flo     |                                       | 4                            |
| Drainage Area (sq mi):   | 0.00023<br>8.5      |                     | om tributary to                       |                              |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                              | 0                   |                     | om tributary to I<br>rom tributary to |                              |
|  | -                   |                     | om tributary to                       |                              |
| ☐ Project waters cross or serv   | e as state bound    | aries. Explain:     |                                       |                              |

Feature ID: 65F

| dentify flow route to   |  |                                   |                                       |              |           |      |  |
|---|--|-----------------------------------|---------------------------------------|--------------|-----------|------|--|
| Unnamed drainages was suggests the most like River.                         |  | •                                 |                                       | •            | •         |      |  |
| Tributary is: Natural   |  | Explain:                          |                                       |              |           |      |  |
| Average Width (ft):   | 14.19  |                                   |                                       |              |           |      |  |
| Average Depth (ft):   | 1  |                                   |                                       |              |           |      |  |
| verage Side Slopes:   | 2.1  |                                   |                                       |              |           |      |  |
|   |  | compositio                        | on (check all                         | that apply): |           |      |  |
| Primary tributary sub  ✓ Silts □ Sands                                      | strate (   | compositic<br>Cobbles<br>Other, E | ☐ Bedro                               |              | □ Vegetat | iion |  |
| Primary tributary sub  ✓ Silts ☐ Sands                                      | ostrate o  | Cobbles<br>Other, E               | ☐ Bedro                               |              | □ Vegetat | ion  |  |
| rimary tributary sub  ✓ Silts □ Sands □ Concrete □ N  Tributary Condition/S | ostrate of the state of the sta | Cobbles Other, E                  | ☐ Bedroo                              |              | □ Vegetat | ion  |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                       | Auck Stability e/Pool  | Cobbles Other, E                  | Bedroo  Explain:  Stable  s. Explain: | ck ☑ Gravel  | □ Vegetat | ion  |  |

| (c) Flow:                  |                       |                                    |   |                                       |         |                   |  |  |
|----------------------------|-----------------------|------------------------------------|---|---------------------------------------|---------|-------------------|--|--|
| Tributary Provides for:    | Ephemeral Flow        | Average                            | Flow Eve                                  | nts per y                             | ear:    | 2-5               |  |  |
| Describe Flow Regime:      | Ephemeral             | Other Inf                          | Other Information on Duration and Volume: |                                       |         |                   |  |  |
| Surface Flow is:           | Confined              | Characte                           | ristics:                                  |                                       |         |                   |  |  |
| Subsurface Flow:           | No                    | Explain:                           |   |                                       |         |                   |  |  |
| Tributary Has:             |                       |                                    |   |                                       |         |                   |  |  |
| ☐ Bed and Banks            |                       |                                    |   |                                       |         |                   |  |  |
| ✓ OHWM: OHWM Inc           | dicators:             |                                    |   |                                       |         |                   |  |  |
| ☐ Clear, natural line      | impressed on the bank | $\square$ $\vee$                   | egetatio                                  | n matte                               | d down, | bent or absent    |  |  |
| Changes in soil cha        |                       |                                    | eaf litter                                | disturbe                              | d or wa | shed away         |  |  |
| ☐ Shelving                 | □ P                   | ☐ Presence of litter and debris    |   |                                       |         |                   |  |  |
| ☐ Sediment deposition      | ☐ Sediment deposition |                                    |   | Destruction of terrestrial vegetation |         |                   |  |  |
| Sediment sorting           |                       | ☐ Abrupt change in plant community |   |                                       |         |                   |  |  |
| ☐ Scour                    |                       |                                    | /lultiple o                               | bserved                               | or pred | icted flow events |  |  |
| ☐ Presence of wrack        | line                  | □ <b>v</b>                         | Vater sta                                 | ining                                 |         |                   |  |  |
| Other (list):              |                       |                                    |   |                                       |         |                   |  |  |
| ☐ Discontinuous? Ex        | xplain:               |                                    |   |                                       |         |                   |  |  |
| (iii) Chemical Characteris | stics:                |                                    |   |                                       |         |                   |  |  |
| Characterize Tributa       | ry:                   |                                    |   |                                       |         |                   |  |  |
| Identify Specific Poll     | utants, if known:     |                                    |   |                                       |         |                   |  |  |
| , ,                        | ,                     |                                    |   |                                       |         |                   |  |  |
|                            |                       |                                    |   |                                       |         |                   |  |  |
|                            |                       |                                    |   |                                       |         |                   |  |  |
|                            |                       |                                    |   |                                       |         |                   |  |  |

| Feature ID: 65F   |  |
|---|--|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |  |
| Riparian Corridor Characteristics:  |  |
| ☐ Wetland Fringe Characteristics:   |  |
| Habitat for:  |  |
| ☐ Federally Listed Species Explain:   |  |
| ☐ Fish/Spawn Areas Explain:   |  |
| ☐ Other environmentally -sensitive species Explain:   |  |
| ☐ Aquatic/Wildlife diversity Explain:   |  |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                          |  |
| (i) Physical Characteristics:   |  |
| Wetland Size (ac): Wetland Type, Explain:   |  |
| Wetland Quality, Explain:   |  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |  |
| Wetland Flow is: Explain:   |  |
| Surface Flow is: Characteristics:   |  |
| Subsurface Flow: Explain Findings:  |  |
| ☐ Wetland Directly Abutting Non-TNW   |  |
| ☐ Wetland Not Directly Abutting Non-TNW   |  |
| ☐ Discrete wetland hydrologic connection Explain:   |  |
| ☐ Ecologcal connection Explain:   |  |
| ☐ Separated by berm/barrier Explain:  |  |
| Project Wetlands: River Miles from TNW:   |  |
| Project Wetlands: Aerial Miles from TNW:  |  |
| Flow is From:   |  |
| Approximate Location of Wetland within Floodplain:  |  |
| (ii) Chemical Characteristics:  |  |
| Characterize Wetland System:  |  |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |  |
| ☐ Riparian Buffer Explain:  |  |
| ☐ Vegetation type/percent cover. Explain:   |  |
| Habitat for:  |  |
| ☐ Federally Listed Species Explain:   |  |
| ☐ Fish/Spawn Areas Explain:   |  |
| ☐ Other environmentally-sensitive species Explain:  |  |
| ☐ Aquatic/Wildlife Diversity Explain:   |  |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |  |
| All wetland(s) considered in cumulative analysis:   |  |
| Wetland acres in total being considered in cumulative analysis:   |  |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions): |  |
|   |  |
|   |  |
|   |  |

| C. SIGNIFICANT NEXUS DET   | TERMINATION   |
|--|---|
| 1. Significant nexus find into TNW. Explain:   | lings for non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte a<br>discharges, in combination<br>downstream manmade it<br>possibility of a hydrologic<br>critical habitats were ide<br>does not provide lifecycle<br>drainage does not have a<br>biological integrity of the          | al drainage is located more than 100 river miles from the nearest TNW, the Gila River and Gillespie Dam. An analysis of peak yearly discharges and potential flood ion with the geomorphology of the Analysis Area, the presence of a significant impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the ic connection between this drainage and the TNW is tenuous. No pollutants or entified within the Analysis Area. Additionally, this unnamed ephemeral drainage le support functions, nutrients, or organic carbon to species within the TNW. This more than a speculative or insubstantial effect on the physical, chemical, and/or e TNW. Therefore, this unnamed ephemeral drainage does not possess a significant och of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus find or indirectly into TNW.  | lings for non-RPW and its adjacent wetlands, where the non-RPW flows directly Explain:  |
| 3. Significant nexus find Explain:   | lings for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
| ☐ TNWs:  |   |
| Wetlands adjacent t<br>Reserved for Section III I  | D 2 (RPWs):   |
| Reserved for Section III I   |   |
| Reserved for Section III I  3. Non-RPWs that flow of the section of the section III II  Non-TNW/non-RPW with a TNW, and is the section III II  | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus herfore jurisdictional.  |
| Reserved for Section III I  3. Non-RPWs that flow of the section of the section III I  Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus herfore jurisdictional.  Width (feet): Acres:  |
| Reserved for Section III I  3. Non-RPWs that flow  Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet): Reserved for Section III   | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus herfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):  |
| Reserved for Section III I  3. Non-RPWs that flow  Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III Reserved for Section III   | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus herfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  |
| Reserved for Section III I  3. Non-RPWs that flow with a TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III  Reserved for Section III  6. Wetlands adjacent to has a significant next                        | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus herfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  o non-RPWs that flow directly or indirectly into TNWs.  o non-RPWs which, in combination with the tributary and other adjacent wetlands, was with the TNW.  |
| Reserved for Section III I  3. Non-RPWs that flow with a TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III  Reserved for Section III  6. Wetlands adjacent to has a significant next                        | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus herfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  o non-RPWs that flow directly or indirectly into TNWs.  o non-RPWs which, in combination with the tributary and other adjacent wetlands, cus with the TNW.  risdictional wetland (in acres):  |
| Reserved for Section III I  3. Non-RPWs that flow with a TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III  Reserved for Section III  6. Wetlands adjacent to has a significant nexe Estimated size of juri | directly or indirectly into TNWs.  waterbody that flows directly or indirectly into a TNW and has a signficant nexus herfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  To non-RPWs that flow directly or indirectly into TNWs.  O non-RPWs which, in combination with the tributary and other adjacent wetlands, was with the TNW.  Trisdictional wetland (in acres):  Intisdictional waters.  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 65F   |                     |                           |                                       |          |
|---|---------------------|---------------------------|---------------------------------------|----------|
| As described in Section 3C possess a significant nexus        |                     |                           | meral drainage determined that it did | not      |
| Explain finding of Other:                                     |                     |                           |                                       |          |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li></ul> |                     | inear feet (ft),<br>acres | 14.19 width (ft)                      |          |
| ☐ Wetlands  | ā                   | acres                     |                                       |          |
| SECTION IV: DATA SOURCES                                      |                     |                           |                                       |          |
| ✓ Maps, Plans, Plots or Pl                                    | lat Submitted by    | Applicant/Con             | sultant: WestLand Resources, Inc.     |          |
| ✓ Data Sheets Prepared/S                                      | Submitted on beh    | nalf of Applicant         |                                       |          |
| $\square$ Office Concurs with                                 | delineation         |                           |                                       |          |
| ☐ Office Does Not Cor   | ncur with delineat  | tion                      |                                       |          |
| ☐ Data Sheets Prepared b                                      | by the Corps        |                           |                                       |          |
| ☐ Corps Navigable Water                                       | · Study             |                           |                                       |          |
| ☐ US Geological Survey H                                      | lydrologic Atlas    |                           |                                       |          |
| ☐ USGS NHD Data   |                     |                           |                                       |          |
| ☐ USGS 8 and 12 digit   | t HUC Map           |                           |                                       |          |
| · ·   | ·                   | 0 - 1 N                   |                                       |          |
| ✓ US Geological Survey N                                      |                     |                           | D M                                   | 1        |
| Silver Reef Mounta  | iins SE, North Kon  | nelik, and Santa          | Rosa Mountains NW 7.5-Minute Qua      | arangies |
| ☐ USDA Nat'l Res Conserv                                      | vation Service Soi  | l Survey Citati           | ion:                                  |          |
| National Wetlands Inventor                                    | entory Maps C       | ite Map Name:             |                                       |          |
| State/Local Wetland In  | ventory Maps        |                           |                                       |          |
| ☐ FEMA/FIR Maps   |                     |                           |                                       |          |
| $\square$ 100-year Floodplain Ele                             | evation is:         |                           | (National Geodetic Vertical Datum     | of 1929) |
| Aerial Photographs (N   | Name and Date):     | BING, Microsof            | t Virtual Earth 2008                  |          |
| Other Photographs (N  | Name and Date):     | <b>Ground Photos</b>      | ; May 2012                            |          |
| Previous Determination  | ns File No. and     | Date of Respons           | se Letter:                            |          |
| $\square$ Applicable/Supporting                               | Case Law Citati     | on:                       |                                       |          |
| ☐ Applicable/Supporting                                       | Scientific Literatu | re Citation:              |                                       |          |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>1ATION</u>     |                                      |                |             |                      |
|---|-------------------|--------------------------------------|----------------|-------------|----------------------|
| A. Report Completion Date for App   | oroved Jurisdic   | tional Determination                 | : 07/30/20     | 12          |                      |
| B. District Office and File No: Los   |                   |                                      |                |             |                      |
| C. Project Location and Background  | d Information:    | Drainage Feature                     | 65G            |             |                      |
| City, County, State Sif Oidak Dis   | strict, Tohono    | O'odham Nation, Pim                  | na and Pinal C | Counties, A | rizona               |
| Center coordinates of site: Lat.  | 32.5073           | Long111.91                           | .00            |             |                      |
| Name of nearest waterbody: Un   | named Wash 6      | 55G                                  |                |             |                      |
| Name of nearest downstream TNV  | W: Gila River     | between Powers But                   | te and Gillesr | oie Dam     |                      |
| HUC Code: 15050306  |                   |                                      | '              |             |                      |
| ✓ Map/Diagram of potential juris  | dictional area    | is available on reques               | st             |             |                      |
| D. Review Performed for Site Evalu  |                   | ·                                    |                |             |                      |
| Office Determination. Date:   |                   |                                      |                |             |                      |
| Field Determination. Date: 05/  | 2012              |                                      |                |             |                      |
| SECTION II: SUMMARY OF FINDIN   | GS                |                                      |                |             |                      |
| A. RHA Section 10 Determination   |                   | 1                                    |                |             |                      |
| There Are No "navigable waters  | s of the U.S." v  | vithin RHA jurisdiction              | n in the revie | w area.     |                      |
| B. CWA Section 404 Determination  | n of Jurisdiction | on                                   |                |             |                      |
| There Are No "waters of the   | ne U.S." within   | CWA jurisdiction in t                | he review are  | ea.         |                      |
| 1. Waters of the US:  |                   |                                      |                |             |                      |
| Linear Feet   |                   | Width (ft) and/or                    |                | Acres       |                      |
| Limits of Jurisdiction based on:  |                   |                                      |                |             |                      |
| 2. Non-Regulated Waters/Wet   | lands:            |                                      |                |             |                      |
| ✓ Potentially jurisdictional wa   |                   | etlands were assesse                 | d and determ   | nined not t | o be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a    | significant nexus wit                |                | _           | •                    |
| SECTION III: CWA ANALYSIS   |                   |                                      |                |             |                      |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs        |                                      |                |             |                      |
| 1. Identified TNW:  |                   |                                      |                |             |                      |
| Rationale for TNW determinate   | ion:              |                                      |                |             |                      |
| 2. Rationale for conclusion tha   | it any wetland    | s present are "adjace                | nt":           |             |                      |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY       | AND ITS ADJACENT W                   | /ETLANDS       |             |                      |
| TNW Watershed Size (sq mi):   | 49650             | Tributaries flo                      | w to TNW:      |             | 4                    |
| Drainage Area (sq mi):  | 0.00023           | River Miles fro                      | •              |             | 30 (or more)         |
| Average Annual Rainfall (in):   | 8.5               | River Miles fro                      | •              |             |                      |
| Average Annual Snowfall (in):   | 0                 | Aerial Miles fro<br>Aerial Miles fro | •              |             | 30 (or more)         |
| ☐ Project waters cross or serv  | ve as state bou   |                                      | <b>,</b>       |             |                      |

Feature ID: 65G

| River.                   | Toute of poter  | ntial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|--------------------------|-----------------|--|
| Fributary is: Natural    | Explain:        |  |
| Average Width (ft): 8.   | 66              |  |
| Average Depth (ft): 1    |                 |  |
| Average Side Slopes: 2:  | 1               |  |
| ☐ Concrete ☐ Mud         | ·               | Explain: Stable  |
| Presence of Run/Riffle/F | Pool Complexe   | s. Explain: Not Present  |
| Tributary Geometry:      | Relatively Stra | ight   |
| Tributary Gradient (appi | oximate avera   | age slope): 2%   |

(c) Flow:

| Tributary Provides for: Ephemeral Flow     | Average    | Flow Events per v   | year:    | 2-5                |   |
|--|------------|---------------------|----------|--------------------|---|
| Describe Flow Regime: Ephemeral            | Other Inf  | formation on Dur    | ation ar | nd Volume:         |   |
| Surface Flow is: Confined                  | Characte   | eristics:           |          |                    |   |
| Subsurface Flow: No                        | Explain:   |                     |          |                    |   |
| Tributary Has:                             |            |                     |          |                    |   |
| ☐ Bed and Banks                            |            |                     |          |                    |   |
| ✓ OHWM: OHWM Indicators:                   |            |                     |          |                    |   |
| ☐ Clear, natural line impressed on the bar | nk 🗆 \     | Vegetation matte    | d down   | , bent or absent   |   |
| Changes in soil character                  |            | _eaf litter disturb | ed or wa | ashed away         |   |
| ☐ Shelving                                 | □ F        | Presence of litter  | and dek  | oris               |   |
| ☐ Sediment deposition                      | <b>✓</b> [ | Destruction of ter  | restrial | vegetation         |   |
| Sediment sorting                           |            | Abrupt change in    | plant co | mmunity            |   |
| ☐ Scour                                    |            | Multiple observed   | d or pre | dicted flow events | , |
| $\square$ Presence of wrack line           | □ \        | Water staining      |          |                    |   |
| Other (list):                              |            |                     |          |                    |   |
| ☐ Discontinuous? Explain:                  |            |                     |          |                    |   |
| (iii) Chemical Characteristics:            |            |                     |          |                    |   |
| Characterize Tributary:                    |            |                     |          |                    |   |
| Identify Specific Pollutants, if known:    |            |                     |          |                    |   |
|  |            |                     |          |                    |   |
|  |            |                     |          |                    |   |
|  |            |                     |          |                    |   |
|  |            |                     |          |                    |   |

| iv) Biological Characterist   | ics. Channel supports (check all that apply):                           |
|---|---|
| ☐ Riparian Corridor(  | Characteristics:  |
| ☐ Wetland Fringe Ch   | aracteristics:  |
| Habitat for:  |   |
| ☐ Federally Listed Spe  | ecies Explain:  |
| ☐ Fish/Spawn Areas  | Explain:  |
| •   | rally -sensitive species Explain:                                       |
| ☐ Aquatic/Wildlife div  | versity Explain:  |
| 2. Chanastanistica aftla  | and a discount to the Tanatabat flow discoult and the sale in the Tanat |
| <ol><li>Characteristics of Wetla<br/>(i) Physical Characteristics</li></ol>               | ands adjacent to non-TNW that flow directly or indirectly into TNW :    |
| Wetland Size (ac):  | Wetland Type, Explain:  |
| Wetland Quality, Expla  | ain:  |
| Project Wetlands Cros   | ss or Serve as State Boundaries, Explain:                               |
| Wetland Flow is:  | Explain:  |
| Surface Flow is:  | Characteristics:  |
| Subsurface Flow:  | Explain Findings:   |
| ☐ Wetland Directly Al   | outting Non-TNW   |
| ☐ Wetland Not Direct  | :ly Abutting Non-TNW  |
| ☐ Discrete wetland  | hydrologic connection Explain:  |
| ☐ Ecologcal connec  | ction Explain:  |
| $\square$ Separated by be   | rm/barrier Explain:   |
| Project Wetlands: Rive  | er Miles from TNW:  |
| Project Wetlands: Aer   | ial Miles from TNW:   |
| Flow is From:   |   |
| Approximate Location  | of Wetland within Floodplain:   |
| ii) Chemical Characteristic   | CS:   |
| Characterize Wetland  |   |
|   |   |
| -   | cics. Wetland supports (check all that apply):                          |
| Riparian Buffer E   |   |
|   | ercent cover. Explain:  |
| Habitat for:  |   |
| ☐ Federally Listed S  |   |
| Lich/Shawh Area   | ·   |
| ☐ Fish/Spawn Area   | entally-sensitive species Explain:                                      |
| ☐ Other environme   | ·   |
| • •   | ·   |
| ☐ Other environme☐ Aquatic/Wildlife   | ·   |
| ☐ Other environme☐ Aquatic/Wildlife  3. Characteristics of all we                         | Diversity Explain:  |
| ☐ Other environme ☐ Aquatic/Wildlife  3. Characteristics of all we All wetland(s) conside | Diversity Explain: etlands adjacent to the non-TNW tributary (if any)   |

| . SIGNIFICANT NEXUS DETERMINATION  |  |
|--|--|
| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and into TNW. Explain:   | l flows directly or indirectly   |
| This unnamed ephemeral drainage is located more than 100 river miles from between Powers Butte and Gillespie Dam. An analysis of peak yearly discharge discharges, in combination with the geomorphology of the Analysis Area, the downstream manmade impoundment (Tat Momolikot Dam), and the distance possibility of a hydrologic connection between this drainage and the TNW is to critical habitats were identified within the Analysis Area. Additionally, this unradoes not provide lifecycle support functions, nutrients, or organic carbon to so drainage does not have more than a speculative or insubstantial effect on the biological integrity of the TNW. Therefore, this unnamed ephemeral drainage nexus with the TNW reach of the Gila River between Powers Butte and Gillesp | es and potential flood presence of a significant e to the TNW, suggests that the enuous. No pollutants or named ephemeral drainage pecies within the TNW. This physical, chemical, and/or does not possess a significant |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where or indirectly into TNW. Explain:  | the non-RPW flows directly   |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do no Explain:  | ot directly abut the RPW.  |
| . DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/W  | ETLANDS ARE  |
| 1. TNWs and Adjacent Wetlands  |  |
| ☐ TNWs: Linear Feet Width (ft), Or, ☐ Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):   | Acres  |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  |  |
| <ul> <li>□ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNV with a TNW, and is therfore jurisdictional.</li> <li>Length (Linear Feet): Width (feet): Acres:</li> </ul>   | V and has a signficant nexus   |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |  |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting R   | PWs):  |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNW   | /s.  |
| ☐ Wetland adjacent to non-RPWs which, in combination with the tributary has a significant nexus with the TNW.  | and other adjacent wetlands,   |
| Estimated size of jurisdictional wetland (in acres):   |  |
|  |  |
| 7. Impoundments of jurisdictional waters.  |  |
| 7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  |  |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 65G   |                     |                   |              |                             |                |
|---|---------------------|-------------------|--------------|-----------------------------|----------------|
| As described in Section 3C1 possess a significant nexus             |                     |                   | neral draina | age determined that it di   | d not          |
|   | with the hearest    | TINVV.            |              |                             |                |
| Explain finding of Other:   |                     |                   |              |                             |                |
| ✓ Non-wetland waters  | 730.19 l            | inear feet (ft),  | 8.66         | width (ft)                  |                |
| Other waters  |                     | acres             |              |                             |                |
| ☐ Wetlands  | a                   | acres             |              |                             |                |
| SECTION IV: DATA SOURCES  |                     |                   |              |                             |                |
| ✓ Maps, Plans, Plots or Pl  | at Submitted by     | Applicant/Cons    | sultant: W   | estLand Resources, Inc.     |                |
| Data Sheets Prepared/S  |                     | nalf of Applicant |              |                             |                |
| Office Concurs with   |                     |                   |              |                             |                |
| ☐ Office Does Not Con   |                     | tion              |              |                             |                |
| ☐ Data Sheets Prepared b  |                     |                   |              |                             |                |
| ☐ Corps Navigable Water   | •                   |                   |              |                             |                |
| US Geological Survey H  ☐ USGS NHD Data                             | yurologic Atlas     |                   |              |                             |                |
| USGS 8 and 12 digit   | · HIIC Man          |                   |              |                             |                |
| _   | ·                   |                   |              |                             |                |
| ✓ US Geological Survey M  |                     |                   | Dasa Marra   | to: no NIM 7 F NA: no to Ov | o due o el e e |
| Sliver keer Mounta  | ins SE, North Kon   | nelik, and Santa  | Rosa Moun    | tains NW 7.5-Minute Qu      | laurangies     |
| USDA Nat'l Res Conserv  |                     | •                 | on:          |                             |                |
| ☐ National Wetlands Inve  |                     | ite Map Name:     |              |                             |                |
| <ul><li>☐ State/Local Wetland Inv</li><li>☐ FEMA/FIR Maps</li></ul> | entory Maps         |                   |              |                             |                |
| <ul><li>☐ FEMA/FIR Maps</li><li>☐ 100-year Floodplain Ele</li></ul> | vation is:          |                   | (National    | Geodetic Vertical Datun     | n of 1929)     |
| ✓ Aerial Photographs (N   |                     | BING. Microsof    | •            |                             | 11 01 1323)    |
| ✓ Other Photographs (N  |                     |                   |              |                             |                |
| Previous Determination  | is File No. and     | Date of Respons   | e Letter:    |                             |                |
| ☐ Applicable/Supporting (   |                     |                   |              |                             |                |
| ☐ Applicable/Supporting S   | Scientific Literatu | re Citation:      |              |                             |                |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>     |                         |  |                       |
|---|-------------------|-------------------------|--|-----------------------|
| A. Report Completion Date for App   | oroved Jurisdict  | ional Determination:    | 07/30/2012                                   |                       |
| B. District Office and File No: Los   |                   |                         |  |                       |
| C. Project Location and Background  | d Information:    | Drainage Feature        | 65G1   |                       |
| City, County, State Sif Oidak Dis   | strict, Tohono (  | O'odham Nation, Pim     | a and Pinal Counties,                        | Arizona               |
| Center coordinates of site: Lat.  | 32.5073           | Long111.910             | 00   |                       |
| Name of nearest waterbody: Uni  | named Wash 6      | 5G1                     |  |                       |
| Name of nearest downstream TNV  | W: Gila River     | between Powers Butt     | e and Gillespie Dam                          |                       |
| HUC Code: 15050306  |                   |                         |  |                       |
| ✓ Map/Diagram of potential jurise   | dictional area i  | s available on reques   | t  |                       |
| D. Review Performed for Site Evalu  | ation:            |                         |  |                       |
| Office Determination. Date:   |                   |                         |  |                       |
| Field Determination. Date: 05/2   | 2012              |                         |  |                       |
| SECTION II: SUMMARY OF FINDING  | <u>GS</u>         |                         |  |                       |
| A. RHA Section 10 Determination   | of Jurisdiction   |                         |  |                       |
| There Are No "navigable waters  | s of the U.S." w  | rithin RHA jurisdiction | in the review area.                          |                       |
| B. CWA Section 404 Determination  | on of Jurisdictio | on                      |  |                       |
| There Are No "waters of the   | ne U.S." within   | CWA jurisdiction in th  | ne review area.                              |                       |
| 1. Waters of the US:  |                   |                         |  |                       |
| Linear Feet   |                   | Width (ft) and/or       | Acres  |                       |
| Limits of Jurisdiction based on:  |                   |                         |  |                       |
| 2. Non-Regulated Waters/Wet   | lands:            |                         |  |                       |
| ✓ Potentially jurisdictional wa   |                   | etlands were assessed   | d and determined not                         | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a    | significant nexus with  |  |                       |
| SECTION III: CWA ANALYSIS   |                   |                         |  |                       |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs       |                         |  |                       |
| 1. Identified TNW:  |                   |                         |  |                       |
| Rationale for TNW determinat  | tion:             |                         |  |                       |
| 2. Rationale for conclusion tha   | it any wetlands   | present are "adjacer    | nt":   |                       |
| B. CHARACTERISTICS OF NON-TN\   | N TRIBUTARY A     | AND ITS ADJACENT W      | ETLANDS                                      |                       |
| TNW Watershed Size (sq mi):   | 49650             | Tributaries flov        | v to TNW:                                    | 4                     |
| Drainage Area (sq mi):  | 0.00008           |                         | m tributary to TNW:                          | 30 (or more)          |
| Average Annual Rainfall (in):   | 8.5               |                         | m tributary to RPW:                          |                       |
| Average Annual Snowfall (in):   | 0                 |                         | om tributary to TNW:<br>om tributary to RPW: | 30 (or more)          |
| ☐ Project waters cross or serv  | ve as state bou   |                         | on tributary to INF VV.                      |                       |

Feature ID: 65G1

| Feature ID: 65G1   |                          |   |  |
|--|--------------------------|---|--|
| Identify flow route to   | TNW:                     |   |  |
| _  | •                        | a are ultimately tributary to the Santa Rosa Wash. Topo ow is Santa Rosa Wash to the Santa Cruz Wash to the C |  |
| Tributary is: Natural  | Explain:                 |   |  |
| Average Width (ft):  | 8.18                     |   |  |
| Average Depth (ft):  | 1                        |   |  |
| Average Side Slopes:   | 2:1                      |   |  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M   |                          | Bedrock ✓ Gravel □ Vegetation n:  |  |
| Tributary Condition/S  | tability. Explain: Stabl | ole   |  |
| Presence of Run/Riffl  | e/Pool Complexes. Expla  | lain: Not Present   |  |
| Tributary Geometry:  | Relatively Straight      |   |  |
| Tributary Gradient (a  | oproximate average slop  | ppe): 2%  |  |
|  |                          |   |  |
|  |                          |   |  |
| <u>c) Flow:</u>  |                          |   |  |
|  | Ephemeral Flow           | Average Flow Events per year: 2-5   |  |
| Tributary Provides for:<br>Describe Flow Regime:   | Ephemeral                | Average Flow Events per year: 2-5 Other Information on Duration and Volume:                                   |  |
| c) Flow: Tributary Provides for: Describe Flow Regime: Surface Flow is: Subsurface Flow: | · ·                      |   |  |

| Surface Flow is:          | Confined                | Characte   | i istics.         |              |                 |
|---------------------------|-------------------------|------------|-------------------|--------------|-----------------|
| Subsurface Flow:          | No                      | Explain:   |                   |              |                 |
| Tributary Has:            |                         |            |                   |              |                 |
| ☐ Bed and Banks           |                         |            |                   |              |                 |
| ✓ OHWM: OHWM I            | ndicators:              |            |                   |              |                 |
| ☐ Clear, natural line     | e impressed on the bank | □ \        | egetation matt    | ed down, k   | ent or absent   |
| Changes in soil cl        | haracter                |            | eaf litter distur | bed or was   | hed away        |
| ☐ Shelving                |                         | □ F        | Presence of litte | r and debr   | is              |
| $\square$ Sediment deposi | tion                    | <b>✓</b> [ | Destruction of to | errestrial v | egetation       |
| Sediment sorting          |                         |            | Abrupt change ii  | n plant con  | nmunity         |
| ☐ Scour                   |                         |            | Multiple observe  | ed or predi  | cted flow event |
| ☐ Presence of wrac        | ck line                 | □ <b>\</b> | Water staining    |              |                 |
| Other (list):             |                         |            |                   |              |                 |
| ☐ Discontinuous?          | Explain:                |            |                   |              |                 |
| iii) Chemical Character   | ristics:                |            |                   |              |                 |
| Characterize Tribut       | ary:                    |            |                   |              |                 |
| Identify Specific Po      | llutants, if known:     |            |                   |              |                 |

| Feature ID: 65G1   |       |
|--|-------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |       |
| Riparian Corridor Characteristics:   |       |
| ☐ Wetland Fringe Characteristics:  |       |
| Habitat for:   |       |
| Federally Listed Species Explain:  |       |
| ☐ Fish/Spawn Areas Explain:  |       |
| Other environmentally -sensitive species Explain:  |       |
| ☐ Aquatic/Wildlife diversity Explain:  |       |
| <ul><li>2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW</li><li>(i) Physical Characteristics:</li></ul>   |       |
| Wetland Size (ac): Wetland Type, Explain:  |       |
| Wetland Quality, Explain:  |       |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |       |
| Wetland Flow is: Explain:  |       |
| Surface Flow is: Characteristics:  |       |
| Subsurface Flow: Explain Findings:   |       |
| <ul> <li>□ Wetland Directly Abutting Non-TNW</li> <li>□ Wetland Not Directly Abutting Non-TNW</li> <li>□ Discrete wetland hydrologic connection Explain:</li> <li>□ Ecological connection Explain:</li> <li>□ Separated by berm/barrier Explain:</li> <li>Project Wetlands: River Miles from TNW:</li> <li>Project Wetlands: Aerial Miles from TNW:</li> <li>Flow is From:</li> <li>Approximate Location of Wetland within Floodplain:</li> </ul> (ii) Chemical Characteristics: |       |
| Characterize Wetland System:   |       |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |       |
| ☐ Riparian Buffer Explain:   |       |
| ☐ Vegetation type/percent cover. Explain:  |       |
| Habitat for:   |       |
| ☐ Federally Listed Species Explain:  |       |
| ☐ Fish/Spawn Areas Explain:  |       |
| ☐ Other environmentally-sensitive species Explain:   |       |
| ☐ Aquatic/Wildlife Diversity Explain:  |       |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |       |
| All wetland(s) considered in cumulative analysis:  |       |
| Wetland acres in total being considered in cumulative analysis:  |       |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functi   | ons): |
|  |       |

| SIGNIFICANT NEXUS DETERMINA   | TION   |
|---|--|
| 1. Significant nexus findings for rinto TNW. Explain:   | on-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gilles discharges, in combination with t downstream manmade impound possibility of a hydrologic connectical habitats were identified w does not provide lifecycle suppor drainage does not have more that biological integrity of the TNW. T | re is located more than 100 river miles from the nearest TNW, the Gila River pie Dam. An analysis of peak yearly discharges and potential flood the geomorphology of the Analysis Area, the presence of a significant ment (Tat Momolikot Dam), and the distance to the TNW, suggests that the tion between this drainage and the TNW is tenuous. No pollutants or ithin the Analysis Area. Additionally, this unnamed ephemeral drainage to functions, nutrients, or organic carbon to species within the TNW. This in a speculative or insubstantial effect on the physical, chemical, and/or neerefore, this unnamed ephemeral drainage does not possess a significant Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for or indirectly into TNW. Explain:  | non-RPW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for v Explain:  | vetlands adjacent to an RPW but that do not directly abut the RPW.   |
| ☐ TNWs: Linear ☐ Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPW  | Acres  |
| 3. Non-RPWs that flow directly of   |  |
|   | dy that flows directly or indirectly into a TNW and has a signficant nexus   |
| Reserved for Section III D 4 (Wei   |  |
|   | lands adjacent to but not directly abutting RPWs):   |
| ·   | Ws that flow directly or indirectly into TNWs.   |
| ☐ Wetland adjacent to non-RPN has a significant nexus with t Estimated size of jurisdiction   |  |
| 7. Impoundments of jurisdiction   | •  |
| Demonstration of Jurisdiction   |  |
| ISOLATED WATERS, INCLUDING  | SOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   |
| HICH COULD AFFECT INTERSTATI  |  |
| Supporting rationale:   |  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

# Feature ID: 65G1 As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 288.15 linear feet (ft), 8.18 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ✓ Other Photographs (Name and Date): Ground Photos; May 2012

Previous Determinations File No. and Date of Response Letter:

☐ Applicable/Supporting Case Law Citation:

Other Information, Please Specify: Additional Comments to Support JD:

Applicable/Supporting Scientific Literature Citation:

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>    |                   |                                      |                |                      |
|--|------------------|-------------------|--------------------------------------|----------------|----------------------|
| A. Report Completion Date for App  | roved Jurisdict  | tional Determin   | ation: 07/30,                        | /2012          |                      |
| B. District Office and File No: Los  | Angeles Distric  | t, File No. Pend  | ing                                  |                |                      |
| C. Project Location and Background   | d Information:   | Drainage Fea      | ture 65H                             |                |                      |
| City, County, State Sif Oidak Dis  | strict, Tohono ( | O'odham Natio     | n, Pima and Pina                     | al Counties, A | rizona               |
| Center coordinates of site: Lat.   | 32.5073          | Long1             | 11.9100                              |                |                      |
| Name of nearest waterbody: Un  | named Wash 6     | 5H                |                                      |                |                      |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | W: Gila River    | between Power     | rs Butte and Gill                    | espie Dam      |                      |
| ✓ Map/Diagram of potential juris   | dictional area i | s available on re | equest                               |                |                      |
| D. Review Performed for Site Evalu   | ation:           |                   |                                      |                |                      |
| Office Determination. Date:  |                  |                   |                                      |                |                      |
| Field Determination. Date: 05/2  | 2012             |                   |                                      |                |                      |
| SECTION II: SUMMARY OF FINDIN  | GS               |                   |                                      |                |                      |
| A. RHA Section 10 Determination  |                  |                   |                                      |                |                      |
| There Are No "navigable waters   |                  | vithin RHA juriso | diction in the rev                   | view area.     |                      |
| B. CWA Section 404 Determination   | n of Jurisdictic | on                |                                      |                |                      |
| There Are No "waters of the  | ne U.S." within  | CWA jurisdictio   | n in the review                      | area.          |                      |
| 1. Waters of the US:   |                  |                   |                                      |                |                      |
| Linear Feet  |                  | Width (ft) and    | /or                                  | Acres          |                      |
| Limits of Jurisdiction based on:   |                  |                   |                                      |                |                      |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional was</li> </ol> |                  | etlands were as   | sessed and dete                      | ermined not t  | o be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne    | it possessed a   | significant nexu  | is with a downs                      |                | •                    |
| SECTION III: CWA ANALYSIS  |                  |                   |                                      |                |                      |
| A. TNWs AND WETLANDS ADJACE  | ENT TO TNWs      |                   |                                      |                |                      |
| 1. Identified TNW:   |                  |                   |                                      |                |                      |
| Rationale for TNW determinat   | ion:             |                   |                                      |                |                      |
| 2. Rationale for conclusion tha  | t any wetlands   | s present are "a  | djacent":                            |                |                      |
| B. CHARACTERISTICS OF NON-TN   | N TRIBUTARY      | AND ITS ADJACE    | ENT WETLANDS                         |                |                      |
| TNW Watershed Size (sq mi):  | 49650            |                   | es flow to TNW:                      |                | 4                    |
| Drainage Area (sq mi):   | 0.00181          |                   | es from tributar                     | •              | 30 (or more)         |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                            | 8.5<br>0         |                   | es from tributar<br>les from tributa | •              | 30 (or more)         |
| , werage / imaar showlan (iii).  |                  |                   | les from tributa                     | •              | 55 (5. 111512)       |
| ☐ Project waters cross or serv   | ve as state bou  | ndaries. Expl     | ain:                                 |                |                      |

Feature ID: 65H

| eature ID: 65H                         |  |
|--|--|
| Identify flow route to                 | TNW:   |
|  | vithin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography ely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural                  | Explain:   |
| Average Width (ft):                    | 32.92  |
| Average Depth (ft):                    | 1  |
| Average Side Slopes:                   | 2:1  |
| Primary tributary sub  ✓ Silts ☐ Sands | strate composition (check all that apply):   Cobbles   Bedrock  Gravel  Vegetation   |
| ☐ Concrete ☐ N                         | luck Other, Explain:   |
| Tributary Condition/S                  | tability. Explain: Stable  |
| Presence of Run/Riffl                  | e/Pool Complexes. Explain: Not Present   |
| Tributary Geometry:                    | Relatively Straight  |
| Tributary Gradient (a                  | oproximate average slope): 2%  |
|  |  |

| (c) Flow:                  |                      |  |           |             |          |                  |  |
|----------------------------|----------------------|--|-----------|-------------|----------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow       | Average Flow Events per year: 2-5          |           |             |          |                  |  |
| Describe Flow Regime:      | Ephemeral            | Other Inf                                  | ormatio   | n on Dura   | tion and | Volume:          |  |
| Surface Flow is:           | Confined             | Characte                                   | ristics:  |             |          |                  |  |
| Subsurface Flow:           | No                   | Explain:                                   |           |             |          |                  |  |
| Tributary Has:             |                      |  |           |             |          |                  |  |
| ☐ Bed and Banks            |                      |  |           |             |          |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:            |  |           |             |          |                  |  |
| ☐ Clear, natural line i    | mpressed on the bank | · □ \                                      | /egetatio | on matted   | down, b  | ent or absent    |  |
| ✓ Changes in soil cha      | racter               |  | eaf litte | r disturbe  | d or was | hed away         |  |
| ☐ Shelving                 |                      | □ P  | resence   | of litter a | nd debri | S                |  |
| ☐ Sediment deposition      | on                   | Destruction of terrestrial vegetation      |           |             |          |                  |  |
| ✓ Sediment sorting         |                      | $\square$ Abrupt change in plant community |           |             |          |                  |  |
| ☐ Scour                    |                      |  | Multiple  | observed    | or predi | cted flow events |  |
| ☐ Presence of wrack        | line                 | □ <b>\</b>                                 | Vater sta | aining      |          |                  |  |
| Other (list):              |                      |  |           |             |          |                  |  |
| ☐ Discontinuous? Ex        | xplain:              |  |           |             |          |                  |  |
| (iii) Chemical Characteris | tics:                |  |           |             |          |                  |  |
| Characterize Tributa       | ry:                  |  |           |             |          |                  |  |
| Identify Specific Poll     | •                    |  |           |             |          |                  |  |
| , ,                        | •                    |  |           |             |          |                  |  |
|                            |                      |  |           |             |          |                  |  |
|                            |                      |  |           |             |          |                  |  |
|                            |                      |  |           |             |          |                  |  |

| Riparian Corridor Characteristics:  Wetland Fringe Characteristics:  Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally -sensitive species Explain:  Aquatic/Wildlife diversity Explain:  Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  | Feature ID: 65H   |            |
|---|---|------------|
| Wetland Fringe Characteristics:   Habitat For:   Federally Listed Species   Explain:   Fish/Spawn Areas   Explain:   Other environmentally-sensitive species   Explain:   Aquatic/Wildlife diversity   Explain:   Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW   Physical Characteristics:   Wetland Size (ac):   Wetland Type, Explain:     Wetland Quality, Explain:   Project Wetlands Cross or Serve as State Boundaries, Explain:     Wetland Flow is:   Explain:     Surface Flow is:   Characteristics:     Subsurface Flow is:   Explain Findings:     Wetland Directly Abutting Non-TNW   Wetland Directly Abutting Non-TNW     Wetland Directly Abutting Non-TNW   Discrete wetland hydrologic connection   Explain:     Ecological connection   Explain:     Ecological connection   Explain:     Project Wetlands: River Miles from TNW:     Project Wetlands: River Miles from TNW:     Project Wetlands: River Miles from TNW:     Project Wetlands: Aerial Miles from TNW:     Project Wetlands: Aerial Miles from TNW:     Othermical Characteristics.     Characterize Wetland System:       Othermical Characteristics. Wetland supports (check all that apply):         Riparian Buffer   Explain:  | (iv) Biological Characteristics. Channel supports (check all that apply):                                   |            |
| Habitat for:    Fish/Spawn Areas   Explain:     Other environmentally -sensitive species   Explain:     Other environmentally -sensitive species   Explain:     Aquatic/Wildlife diversity   Explain:     Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW     Physical Characteristics:   Wetland Type, Explain:     Wetland Size (ac):   Wetland Type, Explain:     Wetland Guality, Explain:     Project Wetlands Cross or Serve as State Boundaries, Explain:     Wetland Flow is:   Explain:     Surface Flow is:   Explain:     Surface Flow is:   Explain:     Wetland Directly Abutting Non-TNW     Wetland Directly Abutting Non-TNW     Wetland Directly Abutting Non-TNW     Wetland Not Directly Abutting Non-TNW     Discrete wetland hydrologic connection   Explain:     Ecological Connection   Explain:     Separated by berm/barrier   Explain:     Project Wetlands: River Miles from TNW:     Project Wetlands: River Miles from TNW:     Project Wetlands: Aerial Miles from TNW:     Biological Characteristics. Wetland supports (check all that apply):     I Biological Characteristics. Wetland supports (check all that apply):       Project Replain:     Vegetation type/percent cover. Explain:     Fish/Spawn Areas Explain:     Fish/Spawn Areas Explain:     Fish/Spawn Areas Explain:     Get Project Replain:     Characteristics of all wetlands adjacent to the non-TNW tributary (if any)     All wetland(s) considered in cumulative analysis:     Wetland acres in total being considered in cumulative analysis: | Riparian Corridor Characteristics:  |            |
| Federally Listed Species   Explain:   Fish/Spawn Areas   Explain:   Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW   | ☐ Wetland Fringe Characteristics:   |            |
| Fish/Spawn Areas  | Habitat for:  |            |
| Other environmentally -sensitive species   Explain:   Aquatic/Wildlife diversity   Explain:   | ☐ Federally Listed Species Explain:   |            |
| Aquatic/Wildlife diversity Explain:   | ☐ Fish/Spawn Areas Explain:   |            |
| Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  Physical Characteristics:  Wetland Size (ac):  | ☐ Other environmentally -sensitive species Explain:   |            |
| Physical Characteristics:    Wetland Size (ac):   | ☐ Aquatic/Wildlife diversity Explain:   |            |
| Physical Characteristics:    Wetland Size (ac):   | Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                   |            |
| Wetland Quality, Explain: Project Wetlands Cross or Serve as State Boundaries, Explain: Wetland Flow is: Surface Flow is: Characteristics: Subsurface Flow: Explain Findings:  Wetland Directly Abutting Non-TNW Wetland Not Directly Abutting Non-TNW Discrete wetland hydrologic connection Explain: Ecological connection Explain: Separated by berm/barrier Explain: Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain: i) Chemical Characteristics: Characterize Wetland System: ii) Biological Characteristics. Wetland supports (check all that apply): Riparian Buffer Explain: Vegetation type/percent cover. Explain: Habitat for: Federally Listed Species Explain: Glother environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain: Characteristics of all wetlands adjacent to the non-TNW tributary (if any) All wetland(s) considered in cumulative analysis: Wetland acres in total being considered in cumulative analysis:   | i) Physical Characteristics:  |            |
| Wetland Quality, Explain: Project Wetlands Cross or Serve as State Boundaries, Explain: Wetland Flow is: Surface Flow is: Characteristics: Subsurface Flow: Explain Findings:  Wetland Directly Abutting Non-TNW Wetland Not Directly Abutting Non-TNW Discrete wetland hydrologic connection Explain: Ecological connection Explain: Separated by berm/barrier Explain: Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain: i) Chemical Characteristics: Characterize Wetland System: ii) Biological Characteristics. Wetland supports (check all that apply): Riparian Buffer Explain: Vegetation type/percent cover. Explain: Habitat for: Federally Listed Species Explain: Glother environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain: Characteristics of all wetlands adjacent to the non-TNW tributary (if any) All wetland(s) considered in cumulative analysis: Wetland acres in total being considered in cumulative analysis:   | •   |            |
| Wetland Flow is:  Surface Flow is:  Subsurface Flow:  Wetland Directly Abutting Non-TNW  Wetland Directly Abutting Non-TNW  Discrete wetland hydrologic connection Explain:  Ecological connection Explain:  Separated by berm/barrier Explain:  Project Wetlands: River Miles from TNW:  Project Wetlands: Aerial Miles from TNW:  Flow is From:  Approximate Location of Wetland within Floodplain:  i) Chemical Characteristics:  Characterize Wetland System:  ii) Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain:  Vegetation type/percent cover. Explain:  Habitat for:  Federally Listed Species Explain:  Federally Listed Species Explain:  Other environmentally-sensitive species Explain:  Aquatic/Wildlife Diversity Explain:  Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:   |   |            |
| Surface Flow is: Subsurface Flow: Explain Findings:  Wetland Directly Abutting Non-TNW Wetland Not Directly Abutting Non-TNW Discrete wetland hydrologic connection Explain: Ecological connection Explain: Separated by berm/barrier Explain: Project Wetlands: River Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain:  i) Chemical Characteristics: Characterize Wetland System: ii) Biological Characteristics. Wetland supports (check all that apply): Riparian Buffer Explain: Vegetation type/percent cover. Explain: Habitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain: Characteristics of all wetlands adjacent to the non-TNW tributary (if any) All wetland(s) considered in cumulative analysis: Wetland acres in total being considered in cumulative analysis:   | Project Wetlands Cross or Serve as State Boundaries, Explain:   |            |
| Subsurface Flow:   Explain Findings:  | Wetland Flow is: Explain:   |            |
| Wetland Directly Abutting Non-TNW     Wetland Not Directly Abutting Non-TNW     Discrete wetland hydrologic connection   Explain:     Ecological connection   Explain:     Separated by berm/barrier   Explain:     Project Wetlands: River Miles from TNW:     Project Wetlands: Aerial Miles from TNW:     Flow is From:     Approximate Location of Wetland within Floodplain:     I) Chemical Characteristics:     Characterize Wetland System:     Biological Characteristics. Wetland supports (check all that apply):     Riparian Buffer   Explain:     Vegetation type/percent cover. Explain:     Habitat for:     Federally Listed Species   Explain:     Ghreen environmentally-sensitive species   Explain:     Aquatic/Wildlife Diversity   Explain:     Aquatic/Wildlife Diversity   Explain:     All wetland(s) considered in cumulative analysis:     Wetland acres in total being considered in cumulative analysis:  | Surface Flow is: Characteristics:   |            |
| □ Wetland Not Directly Abutting Non-TNW   □ Discrete wetland hydrologic connection Explain:   □ Ecologcal connection Explain:   □ Separated by berm/barrier Explain:   Project Wetlands: River Miles from TNW:   Project Wetlands: Aerial Miles from TNW:   Flow is From:   Approximate Location of Wetland within Floodplain:   i) Chemical Characteristics:   Characterize Wetland System:     Biological Characteristics. Wetland supports (check all that apply):   □ Riparian Buffer Explain:   □ Vegetation type/percent cover. Explain:   □ Habitat for:   □ Federally Listed Species Explain:   □ Fish/Spawn Areas Explain:   □ Other environmentally-sensitive species Explain:   □ Aquatic/Wildlife Diversity Explain:   Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   All wetland(s) considered in cumulative analysis:   Wetland acres in total being considered in cumulative analysis:   | Subsurface Flow: Explain Findings:  |            |
| Wetland Not Directly Abutting Non-TNW   Discrete wetland hydrologic connection   Explain:     Ecological connection   Explain:     Separated by berm/barrier   Explain:     Project Wetlands: River Miles from TNW:     Project Wetlands: Aerial Miles from TNW:     Flow is From:     Approximate Location of Wetland within Floodplain:     Othemical Characteristics:     Characterize Wetland System:     Biological Characteristics. Wetland supports (check all that apply):     Riparian Buffer   Explain:     Vegetation   type/percent cover. Explain:     Habitat for:     Federally Listed Species   Explain:     Fish/Spawn Areas   Explain:     Other environmentally-sensitive species   Explain:     Aquatic/Wildlife Diversity   Explain:     Characteristics of all wetlands adjacent to the non-TNW tributary (if any)     All wetland(s) considered in cumulative analysis:     Wetland acres in total being considered in cumulative analysis:  | ☐ Wetland Directly Abutting Non-TNW   |            |
| □ Discrete wetland hydrologic connection Explain: □ Ecologcal connection Explain: □ Separated by berm/barrier Explain: Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain: i) Chemical Characteristics: Characterize Wetland System: □ Biological Characteristics. Wetland supports (check all that apply): □ Riparian Buffer Explain: □ Vegetation type/percent cover. Explain: □ Habitat for: □ Federally Listed Species Explain: □ Gher environmentally-sensitive species Explain: □ Other environmentally-sensitive species Explain: □ Aquatic/Wildlife Diversity Explain: □ Aquatic/Wildlife Diversity Explain: □ All wetland(s) considered in cumulative analysis: Wetland acres in total being considered in cumulative analysis:  | •   |            |
| □ Ecological connection Explain: □ Separated by berm/barrier Explain: Project Wetlands: River Miles from TNW: Project Wetlands: Aerial Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain:  i) Chemical Characteristics: Characterize Wetland System: □ Biological Characteristics. Wetland supports (check all that apply): □ Riparian Buffer Explain: □ Vegetation type/percent cover. Explain: □ Habitat for: □ Federally Listed Species Explain: □ Other environmentally-sensitive species Explain: □ Other environmentally-sensitive species Explain: □ Aquatic/Wildlife Diversity Explain: □ Characteristics of all wetlands adjacent to the non-TNW tributary (if any) All wetland(s) considered in cumulative analysis: Wetland acres in total being considered in cumulative analysis:  |   |            |
| Separated by berm/barrier Explain:   Project Wetlands: River Miles from TNW:   Project Wetlands: Aerial Miles from TNW:   Flow is From:   | ,   |            |
| Project Wetlands: Aerial Miles from TNW: Flow is From: Approximate Location of Wetland within Floodplain:  i) Chemical Characteristics: Characterize Wetland System:  ii) Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain: Vegetation type/percent cover. Explain: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain: Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis: Wetland acres in total being considered in cumulative analysis:   | ☐ Separated by berm/barrier Explain:  |            |
| Flow is From: Approximate Location of Wetland within Floodplain:  i) Chemical Characteristics: Characterize Wetland System:  iii) Biological Characteristics. Wetland supports (check all that apply):    Riparian Buffer   | Project Wetlands: River Miles from TNW:   |            |
| Approximate Location of Wetland within Floodplain:  i) Chemical Characteristics:  Characterize Wetland System:  ii) Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain:  Vegetation type/percent cover. Explain:  Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally-sensitive species Explain:  Aquatic/Wildlife Diversity Explain:  Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:  | Project Wetlands: Aerial Miles from TNW:  |            |
| i) Chemical Characteristics:  Characterize Wetland System:  ii) Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain:  Vegetation type/percent cover. Explain:  Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally-sensitive species Explain:  Aquatic/Wildlife Diversity Explain:  Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:  | Flow is From:   |            |
| Characterize Wetland System:  ii) Biological Characteristics. Wetland supports (check all that apply):  Riparian Buffer Explain: Vegetation type/percent cover. Explain: Habitat for: Federally Listed Species Explain: Fish/Spawn Areas Explain: Other environmentally-sensitive species Explain: Aquatic/Wildlife Diversity Explain: Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis: Wetland acres in total being considered in cumulative analysis:  | Approximate Location of Wetland within Floodplain:  |            |
| ii) Biological Characteristics. Wetland supports (check all that apply):    Riparian Buffer   | i) Chemical Characteristics:  |            |
| ii) Biological Characteristics. Wetland supports (check all that apply):    Riparian Buffer   | Characterize Wetland System:  |            |
| □ Riparian Buffer Explain: □ Vegetation type/percent cover. Explain:   □ Habitat for: □ Federally Listed Species Explain:   □ Fish/Spawn Areas Explain: □ Other environmentally-sensitive species Explain:   □ Aquatic/Wildlife Diversity Explain:    Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:  |   |            |
| <ul> <li>□ Vegetation type/percent cover. Explain:</li> <li>Habitat for:</li> <li>□ Federally Listed Species Explain:</li> <li>□ Gish/Spawn Areas Explain:</li> <li>□ Other environmentally-sensitive species Explain:</li> <li>□ Aquatic/Wildlife Diversity Explain:</li> <li>Characteristics of all wetlands adjacent to the non-TNW tributary (if any)</li> <li>All wetland(s) considered in cumulative analysis:</li> <li>Wetland acres in total being considered in cumulative analysis:</li> </ul>  |   |            |
| Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally-sensitive species Explain:  Aquatic/Wildlife Diversity Explain:  Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:   |   |            |
| ☐ Federally Listed Species Explain: ☐ Fish/Spawn Areas Explain: ☐ Other environmentally-sensitive species Explain: ☐ Aquatic/Wildlife Diversity Explain:  Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:  |   |            |
| ☐ Fish/Spawn Areas Explain: ☐ Other environmentally-sensitive species Explain: ☐ Aquatic/Wildlife Diversity Explain:  Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:  |   |            |
| ☐ Other environmentally-sensitive species Explain: ☐ Aquatic/Wildlife Diversity Explain:  Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:  |   |            |
| Aquatic/Wildlife Diversity Explain:  Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:   |   |            |
| Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:  |   |            |
| All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:  |   |            |
| Wetland acres in total being considered in cumulative analysis:   |   |            |
|   |   |            |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions):   |   |            |
|   | Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical f | unctions): |
|   |   |            |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila Rive between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. Their drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. Their drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. Their drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. Their drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. Their drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  3. Significant nexus findings for wetlands adjacent to TNWs.    Wetlands adjacent to TNWs:   Acres   Acres   | SIGNIFICANT NEXUS DETERMIN  | ATION   |
|--|---|---|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that th possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly abutt that do not directly abut the RPW. Explain:  3. Significant nexus findings for wetlands adjacent to but not not incectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres: Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetlands adjacent to non-RPWs which, in combination with the tributary and other adjacent wetla | _   | non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs. Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional. Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs): Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW. Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters. Demonstration of Jurisdiction:   | between Powers Butte and Gille discharges, in combination with downstream manmade impound possibility of a hydrologic connectical habitats were identified does not provide lifecycle suppodrainage does not have more the biological integrity of the TNW. | spie Dam. An analysis of peak yearly discharges and potential flood the geomorphology of the Analysis Area, the presence of a significant dment (Tat Momolikot Dam), and the distance to the TNW, suggests that the ction between this drainage and the TNW is tenuous. No pollutants or within the Analysis Area. Additionally, this unnamed ephemeral drainage out functions, nutrients, or organic carbon to species within the TNW. This an a speculative or insubstantial effect on the physical, chemical, and/or Therefore, this unnamed ephemeral drainage does not possess a significant |
| Explain:  DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  | •   | •   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  | _   | wetlands adjacent to an RPW but that do not directly abut the RPW.  |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:   |   | •   |
| <ul> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.         Length (Linear Feet):</li></ul>   | Wetlands adjacent to TNWs   | :: Acres  |
| with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:   | 3. Non-RPWs that flow directly  | or indirectly into TNWs.  |
| <ul> <li>6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.</li> <li>Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> <li>7. Impoundments of jurisdictional waters.</li> <li>Demonstration of Jurisdiction:</li> </ul>  | with a TNW, and is therfore Length (Linear Feet):  Reserved for Section III D 4 (Wo   | width (feet): Acres: etlands directly abutting RPWs):   |
| <ul> <li>Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> <li>Impoundments of jurisdictional waters.</li> <li>Demonstration of Jurisdiction:</li> </ul>   | ·   | •   |
| Demonstration of Jurisdiction:   | ☐ Wetland adjacent to non-RI has a significant nexus with   | PWs which, in combination with the tributary and other adjacent wetlands, the TNW.  |
|  | 7. Impoundments of jurisdiction   | onal waters.  |
| ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   |   |   |
|  | . ISOLATED WATERS. INCLUDING  | ISOLATED WETLANDS. THE USE, DEGRADATION OR DESTRUCTION OF   |
| HICH COULD AFFECT INTERSTATE COMMERCE  |   |   |
|  | Supporting rationale:   | Acros   |
| Supporting rationale:  Length (linear feet): Acres:  | Length (linear teet):   |   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 65H   |  |                                     |             |                   |                 |  |
|---|--|-------------------------------------|-------------|-------------------|-----------------|--|
| As described in Section possess a significant ne  | ·  |                                     | eral draina | ge determined th  | at it did not   |  |
| Explain finding of Other  | :  |                                     |             |                   |                 |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>  | 1535.61  | linear feet (ft),<br>acres<br>acres | 32.92       | width (ft)        |                 |  |
| SECTION IV: DATA SOURCE   | S  |                                     |             |                   |                 |  |
| <ul><li>✓ Maps, Plans, Plots o</li><li>✓ Data Sheets Prepare</li><li>☐ Office Concurs w</li><li>☐ Office Does Not</li></ul> | d/Submitted on be  | half of Applicant                   | ultant: W   | estLand Resource  | s, Inc.         |  |
| □ Data Sheets Prepare □ Corps Navigable Wa □ US Geological Surve □ USGS NHD Data  | ter Study<br>y Hydrologic Atlas                                  |                                     |             |                   |                 |  |
| ☐ USGS 8 and 12 c  ✓ US Geological Surve Silver Reef Mou  |  |                                     | osa Moun    | tains NW 7.5-Min  | ute Quadrangles |  |
| □ USDA Nat'l Res Cons □ National Wetlands II □ State/Local Wetland □ FEMA/FIR Maps □ 100-year Floodplain                    | Inventory Maps Inventory Maps Elevation is:                      | Cite Map Name:                      | (National   | Geodetic Vertical | Datum of 1929)  |  |
| <ul><li>Aerial Photographs</li><li>Other Photographs</li></ul>  | •  |                                     |             | th 2008           |                 |  |
| ☐ Previous Determina ☐ Applicable/Supporti ☐ Applicable/Supporti ☐ Other Information, I                                     | tions File No. and<br>ng Case Law Citat<br>ng Scientific Literat | Date of Response                    |             |                   |                 |  |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  |                  |                          | 07/00/00/0          |                       |
|---|------------------|--------------------------|---------------------|-----------------------|
| A. Report Completion Date for App   |                  |                          | 07/30/2012          |                       |
| B. District Office and File No: Los   |                  | -                        |                     |                       |
| C. Project Location and Background  |                  |                          |                     |                       |
| •   |                  | O'odham Nation, Pima     |                     | Arizona               |
| Center coordinates of site: Lat.  |                  | Long111.9100             | )                   |                       |
| Name of nearest waterbody: Uni  | named Wash 6     | 5H1                      |                     |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                  | W: Gila River    | between Powers Butte     | and Gillespie Dam   |                       |
| ✓ Map/Diagram of potential jurise   | dictional area i | s available on request   |                     |                       |
| D. Review Performed for Site Evalu  | ation:           |                          |                     |                       |
| Office Determination. Date:   |                  |                          |                     |                       |
| Field Determination. Date: 05/2   | 2012             |                          |                     |                       |
| SECTION II: SUMMARY OF FINDING  | GS               |                          |                     |                       |
| A. RHA Section 10 Determination   |                  |                          |                     |                       |
| There Are No "navigable waters  |                  |                          | n the review area.  |                       |
| B. CWA Section 404 Determination  | n of Jurisdictio | on                       |                     |                       |
| There Are No "waters of the   | ne U.S." within  | CWA jurisdiction in the  | review area.        |                       |
| 1. Waters of the US:  |                  |                          |                     |                       |
| Linear Feet   |                  | Width (ft) and/or        | Acres               |                       |
| Limits of Jurisdiction based on:  |                  |                          |                     |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                  | etlands were assessed :  | and determined not  | to be jurisdictional: |
| Drainage is ephemeral and   |                  |                          |                     | <u> </u>              |
| considered jurisdictional if not possess a significant ne                             | it possessed a   | significant nexus with a |                     | •                     |
| SECTION III: CWA ANALYSIS   |                  |                          |                     |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs       |                          |                     |                       |
| 1. Identified TNW:  |                  |                          |                     |                       |
| Rationale for TNW determinat  | ion:             |                          |                     |                       |
| 2. Rationale for conclusion tha   | t any wetlands   | s present are "adjacent  | ":                  |                       |
| B. CHARACTERISTICS OF NON-TNV   | N TRIBUTARY      | AND ITS ADJACENT WE      | TLANDS              |                       |
| TNW Watershed Size (sq mi):   | 49650            | Tributaries flow         |                     | 4                     |
| Drainage Area (sq mi):  | 0.00033          |                          | tributary to TNW:   | 30 (or more)          |
| A A ID. 1 C II / 1  | V L              | UNIOR BALLOC TROM        | tributary to RPW:   |                       |
| Average Annual Rainfall (in):   | 8.5              |                          | •                   | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                           | 0                | Aerial Miles fron        | n tributary to TNW: | 30 (or more)          |

Feature ID: 65H1

| Unnamed drainages v                                   |                       | •                                 | s Area are ultimately tributary to the Santa Rosa Wash. Topography tial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|---|-----------------------|-----------------------------------|--|
| Tributary is: Natural                                 |                       | Explain:                          |  |
| Average Width (ft):                                   | 8.72                  |                                   |  |
| Average Depth (ft):                                   | 1                     |                                   |  |
| Average Side Slopes:                                  | 2:1                   |                                   |  |
| Primary tributary sub                                 | strate                | compositio                        | n (check all that apply):  |
| ✓ Silts ☐ Sands                                       | _                     | Compositio<br>Cobbles<br>Other, E | ☐ Bedrock ☑ Gravel ☐ Vegetation  |
| ✓ Silts ☐ Sands                                       | i □<br>⁄luck          | Cobbles Other, E                  | ☐ Bedrock ☑ Gravel ☐ Vegetation  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/S | √uck<br>Stability     | Cobbles Other, E                  | ☐ Bedrock ☑ Gravel ☐ Vegetation  Explain:  Stable  |
| ✓ Silts ☐ Sands                                       | Muck Stability e/Pool | Cobbles Other, E                  | ☐ Bedrock ☑ Gravel ☐ Vegetation  Explain:  Stable  S. Explain: Not Present   |

| (c) Flow:                       |                      |              |            |             |           |                   |  |
|---------------------------------|----------------------|--------------|------------|-------------|-----------|-------------------|--|
| Tributary Provides for:         | Ephemeral Flow       | Average      | Flow Eve   | nts per ye  | ear:      | 2-5               |  |
| Describe Flow Regime:           | Ephemeral            | Other Inf    | formation  | n on Dura   | tion and  | d Volume:         |  |
| Surface Flow is:                | Confined             | Characte     | ristics:   |             |           |                   |  |
| Subsurface Flow:                | No                   | Explain:     |            |             |           |                   |  |
| Tributary Has:                  |                      |              |            |             |           |                   |  |
| ☐ Bed and Banks                 |                      |              |            |             |           |                   |  |
| ✓ OHWM: OHWM Inc                | licators:            |              |            |             |           |                   |  |
| $\square$ Clear, natural line i | mpressed on the bank | : □ <b>\</b> | /egetatio  | n matted    | down,     | bent or absent    |  |
| Changes in soil cha             | racter               |              | eaf litter | disturbed   | d or was  | shed away         |  |
| ☐ Shelving                      |                      | □ F          | resence    | of litter a | nd debr   | ris               |  |
| ☐ Sediment deposition           | on                   | ✓ [          | Destructio | on of terr  | estrial v | egetation         |  |
| Sediment sorting                |                      |              | Abrupt ch  | ange in p   | lant cor  | nmunity           |  |
| ☐ Scour                         |                      |              | Multiple o | bserved     | or pred   | icted flow events |  |
| $\square$ Presence of wrack     | line                 |              | Nater sta  | ining       |           |                   |  |
| Other (list):                   |                      |              |            |             |           |                   |  |
| ☐ Discontinuous? Ex             | plain:               |              |            |             |           |                   |  |
| (iii) Chemical Characteris      | tics:                |              |            |             |           |                   |  |
| Characterize Tributar           |                      |              |            |             |           |                   |  |
| Identify Specific Pollu         | •                    |              |            |             |           |                   |  |
| dentity specific Polit          | itants, ii known:    |              |            |             |           |                   |  |
|                                 |                      |              |            |             |           |                   |  |
|                                 |                      |              |            |             |           |                   |  |
|                                 |                      |              |            |             |           |                   |  |
|                                 |                      |              |            |             |           |                   |  |

| Feature ID: 65H1  |           |
|---|-----------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                     |           |
| Riparian Corridor Characteristics:  |           |
| ☐ Wetland Fringe Characteristics:   |           |
| Habitat for:  |           |
| ☐ Federally Listed Species Explain:   |           |
| ☐ Fish/Spawn Areas Explain:   |           |
| ☐ Other environmentally -sensitive species Explain:   |           |
| ☐ Aquatic/Wildlife diversity Explain:   |           |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                  |           |
| (i) Physical Characteristics:   |           |
| Wetland Size (ac): Wetland Type, Explain:   |           |
| Wetland Quality, Explain: Project Wetlands Cross or Serve as State Boundaries, Explain:                       |           |
| Wetland Flow is: Explain:   |           |
| Surface Flow is: Characteristics:   |           |
| Subsurface Flow: Explain Findings:  |           |
|   |           |
| ☐ Wetland Directly Abutting Non-TNW   |           |
| ☐ Wetland Not Directly Abutting Non-TNW   |           |
| <ul><li>□ Discrete wetland hydrologic connection Explain:</li><li>□ Ecological connection Explain:</li></ul>  |           |
| ☐ Separated by berm/barrier Explain:  |           |
| Project Wetlands: River Miles from TNW:   |           |
| Project Wetlands: Aerial Miles from TNW:  |           |
| Flow is From:   |           |
| Approximate Location of Wetland within Floodplain:  |           |
| (ii) Chemical Characteristics:  |           |
| Characterize Wetland System:  |           |
|   |           |
| iii) Biological Characteristics. Wetland supports (check all that apply):                                     |           |
| Riparian Buffer Explain:  |           |
| ☐ Vegetation type/percent cover. Explain:   |           |
| Habitat for:  |           |
| Federally Listed Species Explain:   |           |
| ☐ Fish/Spawn Areas Explain:   |           |
| Other environmentally-sensitive species Explain:  |           |
| ☐ Aquatic/Wildlife Diversity Explain:   |           |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                 |           |
| All wetland(s) considered in cumulative analysis:   |           |
| Wetland acres in total being considered in cumulative analysis:   |           |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fur | nctions): |
|   |           |
|   |           |
|   |           |

| . SIGNIFICANT NEXI   | US DETERMINATION  |
|--|---|
| 1. Significant nexu<br>into TNW. Explair   | is findings for non-RPW that has no adjacent wetlands and flows directly or indirectly in:  |
| between Powers Edischarges, in comdownstream mann possibility of a hydricitical habitats we does not provide lidrainage does not biological integrity  | emeral drainage is located more than 100 river miles from the nearest TNW, the Gila River Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood bination with the geomorphology of the Analysis Area, the presence of a significant made impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the drologic connection between this drainage and the TNW is tenuous. No pollutants or ere identified within the Analysis Area. Additionally, this unnamed ephemeral drainage ifecycle support functions, nutrients, or organic carbon to species within the TNW. This have more than a speculative or insubstantial effect on the physical, chemical, and/or of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant W reach of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant next or indirectly into   | us findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly INW. Explain:   |
| 3. Significant nexu<br>Explain:  | us findings for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
| 1. TNWs and Adja   |   |
| 1. TNWs and Adja   | cent Wetlands  Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres  |
| 1. TNWs and Adjace TNWs: Wetlands adjace Reserved for Section  | cent Wetlands  Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres  |
| 1. TNWs and Adjace  TNWs:  Wetlands adjace Reserved for Secti 3. Non-RPWs that  Non-TNW/non with a TNW, ar   | Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres  on III D 2 (RPWs):  aflow directly or indirectly into TNWs.  -RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  |
| 1. TNWs and Adjace TNWs: Wetlands adjace Reserved for Secti 3. Non-RPWs that Non-TNW/non with a TNW, ar Length (Linear   | Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres  on III D 2 (RPWs):  aflow directly or indirectly into TNWs.  -RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet): Width (feet): Acres:   |
| 1. TNWs and Adjace TNWs: Wetlands adjace Reserved for Secti 3. Non-RPWs that Non-TNW/non with a TNW, ar Length (Linear Reserved for Secti  | Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres  on III D 2 (RPWs):  aflow directly or indirectly into TNWs.  -RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet): Width (feet): Acres:   |
| 1. TNWs and Adjace TNWs: Wetlands adjace Reserved for Secti 3. Non-RPWs that Non-TNW/non with a TNW, ar Length (Linear Reserved for Secti Reserved for Secti   | Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres  on III D 2 (RPWs):  a flow directly or indirectly into TNWs.  -RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet): Width (feet): Acres:  acion III D 4 (Wetlands directly abutting RPWs):  acion III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |
| 1. TNWs and Adjace TNWs: Wetlands adjace Reserved for Secti 3. Non-RPWs that Non-TNW/non with a TNW, ar Length (Linear Reserved for Secti Reserved for Secti Reserved for Secti Wetlands adjace has a signification  | Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres  on III D 2 (RPWs):  aflow directly or indirectly into TNWs.  -RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet): Width (feet): Acres:   |
| 1. TNWs and Adjace TNWs: Wetlands adjace Reserved for Secti 3. Non-RPWs that Non-TNW/non with a TNW, ar Length (Linear Reserved for Secti Reserved for Secti Reserved for Secti Wetlands adjace has a significat Estimated size  | Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres  on III D 2 (RPWs):  afflow directly or indirectly into TNWs.  -RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus and is therfore jurisdictional.  Feet): Width (feet): Acres:  acion III D 4 (Wetlands directly abutting RPWs):  acion III D 5 (Wetlands adjacent to but not directly abutting RPWs):  acent to non-RPWs that flow directly or indirectly into TNWs.  acent to non-RPWs which, in combination with the tributary and other adjacent wetlands, and nexus with the TNW.   |
| 1. TNWs and Adjace TNWs: Wetlands adjace Reserved for Secti 3. Non-RPWs thate Non-TNW/non with a TNW, are Length (Linear Reserved for Section Reserved for Reserved for Section Reserved for Section Reserved for Reserve | Linear Feet Width (ft), Or, Acres  acent to TNWs: Acres  on III D 2 (RPWs):  afflow directly or indirectly into TNWs.  -RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet): Width (feet): Acres:  acion III D 4 (Wetlands directly abutting RPWs):  acion III D 5 (Wetlands adjacent to but not directly abutting RPWs):  acent to non-RPWs that flow directly or indirectly into TNWs.  acent to non-RPWs which, in combination with the tributary and other adjacent wetlands, and nexus with the TNW.  acent for jurisdictional wetland (in acres):  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

# Feature ID: 65H1 As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 1042.79 linear feet (ft), 8.72 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ✓ Other Photographs (Name and Date): Ground Photos; May 2012 Previous Determinations File No. and Date of Response Letter: ☐ Applicable/Supporting Case Law Citation:

Applicable/Supporting Scientific Literature Citation:

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>MATION</u>      |                     |                                     |             |                       |
|---|--------------------|---------------------|-------------------------------------|-------------|-----------------------|
| A. Report Completion Date for App   | oroved Jurisdic    | tional Determinat   | tion: 07/30/2                       | 2012        |                       |
| B. District Office and File No: Los   | Angeles Distric    | ct, File No. Pendin | g                                   |             |                       |
| C. Project Location and Background  | d Information:     | Drainage Feat       | ure 66                              |             |                       |
| City, County, State Sif Oidak Dis   | strict, Tohono     | O'odham Nation,     | Pima and Pinal                      | Counties, A | rizona                |
| Center coordinates of site: Lat.  | 32.5073            | Long111             | 1.9100                              |             |                       |
| Name of nearest waterbody: Un   | named Wash 6       | 56                  |                                     |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River      | between Powers      | Butte and Gille                     | spie Dam    |                       |
| ✓ Map/Diagram of potential juris  | dictional area i   | is available on rec | luest                               |             |                       |
| D. Review Performed for Site Evalu  | iation:            |                     |                                     |             |                       |
| Office Determination. Date:   |                    |                     |                                     |             |                       |
| Field Determination. Date: 05/  | 2012               |                     |                                     |             |                       |
| SECTION II: SUMMARY OF FINDIN   | GS                 |                     |                                     |             |                       |
| A. RHA Section 10 Determination   | <u></u>            |                     |                                     |             |                       |
| There Are No "navigable waters  | s of the U.S." w   | vithin RHA jurisdio | ction in the revi                   | ew area.    |                       |
| B. CWA Section 404 Determination  | on of Jurisdiction | on                  |                                     |             |                       |
| There Are No "waters of the   | ne U.S." within    | CWA jurisdiction    | in the review a                     | rea.        |                       |
| 1. Waters of the US:  |                    |                     |                                     |             |                       |
| Linear Feet   |                    | Width (ft) and/o    | or                                  | Acres       |                       |
| Limits of Jurisdiction based on:  |                    |                     |                                     |             |                       |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa                        |                    | etlands were asse   | essed and deter                     | mined not t | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a     | significant nexus   | with a downstr                      | •           | •                     |
| SECTION III: CWA ANALYSIS   |                    |                     |                                     |             |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs         |                     |                                     |             |                       |
| 1. Identified TNW:  |                    |                     |                                     |             |                       |
| Rationale for TNW determinate   | tion:              |                     |                                     |             |                       |
| 2. Rationale for conclusion tha   | nt any wetland     | s present are "adj  | acent":                             |             |                       |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY        | AND ITS ADJACEN     | T WETLANDS                          |             |                       |
| TNW Watershed Size (sq mi):   | 49650              |                     | flow to TNW:                        |             | 4                     |
| Drainage Area (sq mi):  | 0.00241<br>8.5     |                     | from tributary                      |             | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 0                  |                     | s from tributary<br>s from tributar |             | 30 (or more)          |
|   | -                  |                     | s from tributar                     |             |                       |
| ☐ Project waters cross or serv  | ve as state bou    | ndaries. Explai     | n:                                  |             |                       |

Feature ID: 66

| Identify flow route to<br>Unnamed drainages<br>suggests the most lik<br>River. | within t                          | •                                 |                                  | •                  | •       |       |  |
|--|-----------------------------------|-----------------------------------|----------------------------------|--------------------|---------|-------|--|
| Tributary is: Natural  |                                   | Explain:                          |                                  |                    |         |       |  |
| Average Width (ft):  | 16.69                             |                                   |                                  |                    |         |       |  |
| Average Depth (ft):  | 1                                 |                                   |                                  |                    |         |       |  |
|  |                                   |                                   |                                  |                    |         |       |  |
| Average Side Slopes:<br>Primary tributary suk                                  |                                   | compositio                        | n (check all                     | that apply):       |         |       |  |
| Primary tributary sub  Silts Sands   | strate                            | compositio<br>Cobbles<br>Other, E | Bedro                            |                    | □ Veget | ation |  |
| Primary tributary sub  | ostrate<br>S                      | Cobbles Other, E                  | Bedro                            |                    | □ Veget | ation |  |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N  Tributary Condition/    | ostrate  Muck Stability           | Cobbles Other, E                  | ☐ Bedro<br>xplain: ☐             |                    | □ Veget | ation |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                          | ostrate  Muck  Stability  Je/Pool | Cobbles Other, E                  | Bedro  Explain:  Stable  Stable: | ck <b>⊻</b> Gravel | □ Veget | ation |  |

| (c) Flow:                  |                       |                  |                  |             |            |                   |
|----------------------------|-----------------------|------------------|------------------|-------------|------------|-------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Eve         | nts per y   | ear:       | 2-5               |
| Describe Flow Regime:      | Ephemeral             | Other Inf        | ormation         | n on Dura   | ation and  | d Volume:         |
| Surface Flow is:           | Confined              | Characte         | Characteristics: |             |            |                   |
| Subsurface Flow:           | No                    | Explain:         |                  |             |            |                   |
| Tributary Has:             |                       |                  |                  |             |            |                   |
| ☐ Bed and Banks            |                       |                  |                  |             |            |                   |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |                  |             |            |                   |
| ☐ Clear, natural line      | impressed on the bank | $\square$ $\vee$ | egetatio         | n matte     | d down,    | bent or absent    |
| Changes in soil cha        |                       |                  | eaf litter       | disturbe    | d or wa    | shed away         |
| ☐ Shelving                 |                       | □ P              | resence          | of litter a | and debi   | ris               |
| ☐ Sediment deposition      | on                    |                  | estructio        | on of teri  | restrial v | egetation         |
| Sediment sorting           |                       |                  | brupt ch         | ange in p   | olant cor  | nmunity           |
| ☐ Scour                    |                       |                  | /lultiple o      | bserved     | or pred    | icted flow events |
| ☐ Presence of wrack        | line                  | □ <b>v</b>       | Vater sta        | ining       |            |                   |
| Other (list):              |                       |                  |                  |             |            |                   |
| ☐ Discontinuous? Ex        | xplain:               |                  |                  |             |            |                   |
| (iii) Chemical Characteris | stics:                |                  |                  |             |            |                   |
| Characterize Tributa       | ry:                   |                  |                  |             |            |                   |
| Identify Specific Poll     | utants, if known:     |                  |                  |             |            |                   |
| , ,                        | ,                     |                  |                  |             |            |                   |
|                            |                       |                  |                  |             |            |                   |
|                            |                       |                  |                  |             |            |                   |
|                            |                       |                  |                  |             |            |                   |

| Feature ID: 66   |           |
|--|-----------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                    |           |
| Riparian Corridor Characteristics:   |           |
| ☐ Wetland Fringe Characteristics:  |           |
| Habitat for:   |           |
| ☐ Federally Listed Species Explain:  |           |
| ☐ Fish/Spawn Areas Explain:  |           |
| ☐ Other environmentally -sensitive species Explain:  |           |
| ☐ Aquatic/Wildlife diversity Explain:  |           |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                 |           |
| (i) Physical Characteristics:  |           |
| Wetland Size (ac): Wetland Type, Explain:  |           |
| Wetland Quality, Explain:  |           |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |           |
| Wetland Flow is: Explain:  |           |
| Surface Flow is: Characteristics:  |           |
| Subsurface Flow: Explain Findings:   |           |
| ☐ Wetland Directly Abutting Non-TNW  |           |
| ☐ Wetland Not Directly Abutting Non-TNW  |           |
| ☐ Discrete wetland hydrologic connection Explain:  |           |
| ☐ Ecologcal connection Explain:  |           |
| ☐ Separated by berm/barrier Explain:   |           |
| Project Wetlands: River Miles from TNW:  |           |
| Project Wetlands: Aerial Miles from TNW:   |           |
| Flow is From:  |           |
| Approximate Location of Wetland within Floodplain:   |           |
| (ii) Chemical Characteristics:   |           |
| Characterize Wetland System:   |           |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                   |           |
|  |           |
| <ul><li>☐ Riparian Buffer Explain:</li><li>☐ Vegetation type/percent cover. Explain:</li></ul>               |           |
| Habitat for:   |           |
| Federally Listed Species Explain:  |           |
| ☐ Fish/Spawn Areas Explain:  |           |
| ☐ Other environmentally-sensitive species Explain:   |           |
| ☐ Aquatic/Wildlife Diversity Explain:  |           |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                |           |
| All wetland(s) considered in cumulative analysis:  |           |
| Wetland acres in total being considered in cumulative analysis:  |           |
| ,  | nctions): |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fu | netions): |
|  |           |
|  |           |

| . SIGNI  | FICANT NEXUS DETERMINATION   |
|--|--|
| 1. Sig   | nificant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly NW. Explain:  |
| This unbetween discharged down possible critical does in drainal biological drainal does in the critical does in t | nnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River seen Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood arges, in combination with the geomorphology of the Analysis Area, the presence of a significant stream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the polity of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or all habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This arge does not have more than a speculative or insubstantial effect on the physical, chemical, and/or gical integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.   |
| _  | nificant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly lirectly into TNW. Explain:  |
| 3. Sig<br>Expla  | nificant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
|  | RMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  Ws and Adjacent Wetlands   |
|  |  |
| ■ v  | NWs: Linear Feet Width (ft), Or, Acres  Vetlands adjacent to TNWs: Acres  ved for Section III D 2 (RPWs):  |
| ■ V<br>Reser   | Vetlands adjacent to TNWs: Acres   |
| Reser  3. No   | Vetlands adjacent to TNWs:  Acres  ved for Section III D 2 (RPWs):  n-RPWs that flow directly or indirectly into TNWs.  on-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus th a TNW, and is therfore jurisdictional.   |
| Reser  3. No  Wi   | Vetlands adjacent to TNWs:  Ved for Section III D 2 (RPWs):  In-RPWs that flow directly or indirectly into TNWs.  In-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus the a TNW, and is therfore jurisdictional.  Ingth (Linear Feet):  Width (feet):  Acres:   |
| Reser  3. No  No  Wi  Le   | Vetlands adjacent to TNWs:  ved for Section III D 2 (RPWs):  n-RPWs that flow directly or indirectly into TNWs.  on-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus th a TNW, and is therfore jurisdictional.  ngth (Linear Feet):  Width (feet):  Acres:  rved for Section III D 4 (Wetlands directly abutting RPWs):   |
| Reser  3. No  No  Wi  Le  Rese   | Vetlands adjacent to TNWs:  Ved for Section III D 2 (RPWs):  In-RPWs that flow directly or indirectly into TNWs.  In-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus that a TNW, and is therfore jurisdictional.  Ingth (Linear Feet):  Width (feet):  Acres:  Increase of the Section III D 4 (Wetlands directly abutting RPWs):  Increase of the TNWs and has a signficant nexus and the TNW and has a signficant nexus and the TNW, and is therfore jurisdictional.  Ingth (Linear Feet):  Increase of the TNWs and has a signficant nexus and the TNW and has a signfican |
| Reser  3. No  No  Wi  Le  Rese  Rese  6. W   | Vetlands adjacent to TNWs:  ved for Section III D 2 (RPWs):  n-RPWs that flow directly or indirectly into TNWs.  on-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus th a TNW, and is therfore jurisdictional.  ngth (Linear Feet):  Width (feet):  Acres:  rved for Section III D 4 (Wetlands directly abutting RPWs):   |
| Reser  3. No  No  Wi  Le  Rese  Rese  6. W  h  | Vetlands adjacent to TNWs:  ved for Section III D 2 (RPWs):  n-RPWs that flow directly or indirectly into TNWs.  on-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus th a TNW, and is therfore jurisdictional.  ngth (Linear Feet):  Width (feet):  Acres:  rved for Section III D 4 (Wetlands directly abutting RPWs):  rved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  etlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Vetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands,  |
| Reser  3. No  No  Wi  Let  Rese  Rese  6. W  h  E  | Vetlands adjacent to TNWs:  ved for Section III D 2 (RPWs):  n-RPWs that flow directly or indirectly into TNWs.  on-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus ith a TNW, and is therfore jurisdictional.  ngth (Linear Feet):  Width (feet):  Acres:  rved for Section III D 4 (Wetlands directly abutting RPWs):  rved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  etlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Vetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, as a significant nexus with the TNW.  |
| Reser  3. No  No  Wi  Let  Rese  Rese  6. W  h  E  7. Im   | Vetlands adjacent to TNWs:  ved for Section III D 2 (RPWs):  n-RPWs that flow directly or indirectly into TNWs.  on-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus th a TNW, and is therfore jurisdictional.  ngth (Linear Feet):  width (feet):  Acres:  rved for Section III D 4 (Wetlands directly abutting RPWs):  rved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  etlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Vetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, as a significant nexus with the TNW.  stimated size of jurisdictional wetland (in acres):  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 66  |   |  |
|---|---|--|
| As described in Section 3C1 possess a significant nexus   | 1 above, an analysis of this ephemeral drainage determined that it did not with the nearest TNW.                                    |  |
| Explain finding of Other:   |   |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>  | 4028.49 linear feet (ft), 16.69 width (ft) acres acres  |  |
| SECTION IV: DATA SOURCES  |   |  |
| ✓ Data Sheets Prepared/S  ☐ Office Concurs with   | at Submitted by Applicant/Consultant: WestLand Resources, Inc.  Submitted on behalf of Applicant delineation  neur with delineation |  |
| <ul> <li>□ Data Sheets Prepared b</li> <li>□ Corps Navigable Water</li> <li>□ US Geological Survey H</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit</li> </ul> | Study<br>ydrologic Atlas  |  |
|   | lap(s) Scale and Quad Name: ins SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                               |  |
| □ USDA Nat'l Res Conserv □ National Wetlands Inve □ State/Local Wetland Inv □ FEMA/FIR Maps   |   |  |
| ☐ 100-year Floodplain Ele   | evation is: (National Geodetic Vertical Datum of 1929)  |  |
| - · · · ·   | Name and Date): BING, Microsoft Virtual Earth 2008  |  |
| _   | Name and Date): Ground Photos; May 2012   |  |
| _   | ns File No. and Date of Response Letter:  |  |
| <ul><li>☐ Applicable/Supporting ©</li><li>☐ Applicable/Supporting ©</li></ul>   |   |  |
| Other Information, Plea   |   |  |

Additional Comments to Support JD:

| SECTION I: BACK    | GROUND INFORM        | <u>IATION</u>    |                         |  |                          |
|--------------------|----------------------|------------------|-------------------------|--|--------------------------|
| A. Report Comple   | etion Date for App   | oroved Jurisdic  | tional Determination    | : 07/30/2012                               |                          |
|                    |                      |                  | ct, File No. Pending    |  |                          |
| C. Project Locatio | n and Backgroun      | d Information:   | Drainage Feature        | 66A  |                          |
| City, County, Sta  | te Sif Oidak Di      | strict, Tohono   | O'odham Nation, Pim     | na and Pinal Counties                      | , Arizona                |
| Center coordinat   | tes of site: Lat.    | 32.5073          | Long111.91              | 00   |                          |
| Name of nearest    | waterbody: Un        | named Wash 6     | 66A                     |  |                          |
| Name of nearest    | downstream TN\       | N: Gila River    | between Powers But      | te and Gillespie Dam                       |                          |
| HUC Code: 15       | 050306               |                  |                         |  |                          |
| ✓ Map/Diagram      | of potential juris   | dictional area i | s available on reques   | st   |                          |
| D. Review Perfori  | med for Site Evalເ   | ation:           |                         |  |                          |
| Office Determina   | ation. Date:         |                  |                         |  |                          |
| Field Determinat   | ion. Date: 05/       | 2012             |                         |  |                          |
| SECTION II: SUMI   | MARY OF FINDIN       | ec               |                         |  |                          |
|                    | 10 Determination     |                  |                         |  |                          |
|                    |                      |                  | vithin RHA jurisdiction | n in the review area.                      |                          |
|                    | 404 Determination    |                  |                         |  |                          |
| There Are No       |                      |                  | CWA jurisdiction in t   | he review area.                            |                          |
| 1. Waters of       | the US:              |                  |                         |  |                          |
|                    | Linear Feet          |                  | Width (ft) and/or       | Acres                                      |                          |
| Limits of Juris    | diction based on:    |                  |                         |  |                          |
| 2. Non-Regula      | ated Waters/Wet      | lands:           |                         |  |                          |
| _                  |                      |                  | etlands were assesse    | d and determined no                        | ot to be jurisdictional: |
| Drainage           | is ephemeral and     | does not qual    | ify as a TNW or RPW.    | Therefore, this drain                      | nage could only be       |
|                    | •                    | •                | •                       | h a downstream TNV                         | V. This drainage does    |
| not posse          | ess a significant ne | exus with the d  | ownstream TNW.          |  |                          |
| SECTION III: CWA   | ANALYSIS             |                  |                         |  |                          |
| A. TNWs AND W      | ETLANDS ADJACE       | ENT TO TNWs      |                         |  |                          |
| 1. Identified      | TNW:                 |                  |                         |  |                          |
| Rationale for      | TNW determinat       | tion:            |                         |  |                          |
| 2. Rationale       | for conclusion tha   | it any wetlands  | s present are "adjace   | nt":                                       |                          |
| B. CHARACTERIS     | STICS OF NON-TN      | N TRIBUTARY      | AND ITS ADJACENT W      | /ETLANDS                                   |                          |
| TNW Watersl        | ned Size (sq mi):    | 49650            | Tributaries flo         | w to TNW:                                  | 4                        |
| Drainage Are       |                      | 0.00126          |                         | m tributary to TNW:                        |                          |
| _                  | ual Rainfall (in):   | 8.5              |                         | om tributary to RPW:                       |                          |
| Average Anni       | ual Snowfall (in):   | 0                |                         | om tributary to TNW<br>om tributary to RPW |                          |
| ☐ Project wa       | aters cross or serv  | ve as state bou  |                         |  |                          |

Feature ID: 66A

| dentify flow route to  | TNW:  |   |             |            |      |  |
|--|---|---|-------------|------------|------|--|
| Unnamed drainages w<br>suggests the most like<br>River.                        |   | •   | •           | •          |      |  |
| Tributary is: Natural  | Expla   | ain:  |             |            |      |  |
| Average Width (ft):  | 14.84   |   |             |            |      |  |
| Average Depth (ft):  | 1   |   |             |            |      |  |
| Average Side Slopes:   | 2.1   |   |             |            |      |  |
| Primary tributary subs   | trate compo                                     |   |             | □ <b>V</b> | •••  |  |
| Primary tributary subs  ✓ Silts ☐ Sands  ☐ Concrete ☐ M                        | trate compo                                     |   |             | □ Vegeta   | tion |  |
| Primary tributary subs  ✓ Silts □ Sands  | trate compo                                     | oles  |             | □ Vegeta   | tion |  |
| Primary tributary subs  ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/Si | trate compo<br>Cobb<br>uck Oth<br>ability. Expl | oles  |             | □ Vegeta   | tion |  |
| Primary tributary subs  ✓ Silts ☐ Sands ☐ Concrete ☐ M                         | trate compo<br>Cobb<br>uck Oth<br>ability. Expl | her, Explain: lain: Stable blexes. Explain: | ck 🗹 Gravel | □ Vegeta   | tion |  |

| (c) Flow:                  |   |   |            |             |           |                |  |
|----------------------------|---|---|------------|-------------|-----------|----------------|--|
| Tributary Provides for:    | Ephemeral Flow                            | Average Flow Events per year: 2-5                           |            |             |           |                |  |
| Describe Flow Regime:      | Other Information on Duration and Volume: |   |            |             |           |                |  |
| Surface Flow is:           | Confined                                  | Characte  | ristics:   |             |           |                |  |
| Subsurface Flow:           | No  | Explain:  |            |             |           |                |  |
| Tributary Has:             |   |   |            |             |           |                |  |
| ☐ Bed and Banks            |   |   |            |             |           |                |  |
| ✓ OHWM: OHWM Inc           | dicators:                                 |   |            |             |           |                |  |
| ☐ Clear, natural line i    | impressed on the bank                     |   | /egetati   | on matted   | down,     | bent or absent |  |
| Changes in soil cha        | racter                                    |   | eaf litte. | r disturbe  | d or was  | shed away      |  |
| ☐ Shelving                 |   | ☐ F   | resence    | of litter a | nd debr   | is             |  |
| ☐ Sediment deposition      | on  | ✓ [   | Destruct   | ion of terr | estrial v | egetation      |  |
| ✓ Sediment sorting         |   | $\square$ Abrupt change in plant community                  |            |             |           |                |  |
| ☐ Scour                    |   | $\hfill \square$ Multiple observed or predicted flow events |            |             |           |                |  |
| ☐ Presence of wrack        | line                                      | □ \   | Water st   | aining      |           |                |  |
| Other (list):              |   |   |            |             |           |                |  |
| ☐ Discontinuous? Ex        | rplain:                                   |   |            |             |           |                |  |
| (iii) Chemical Characteris | tics:                                     |   |            |             |           |                |  |
| Characterize Tributa       | ry:                                       |   |            |             |           |                |  |
| Identify Specific Poll     | ·   |   |            |             |           |                |  |
|                            | •   |   |            |             |           |                |  |
|                            |   |   |            |             |           |                |  |
|                            |   |   |            |             |           |                |  |
|                            |   |   |            |             |           |                |  |

| Feature ID: 66A  |     |
|--|-----|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |     |
| Riparian Corridor Characteristics:   |     |
| ☐ Wetland Fringe Characteristics:  |     |
| Habitat for:   |     |
| Federally Listed Species Explain:  |     |
| Fish/Spawn Areas Explain:  |     |
| Other environmentally -sensitive species Explain:  |     |
| ☐ Aquatic/Wildlife diversity Explain:  |     |
| <ul><li>2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW</li><li>(i) Physical Characteristics:</li></ul>   |     |
| Wetland Size (ac): Wetland Type, Explain:  |     |
| Wetland Quality, Explain:  |     |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |     |
| Wetland Flow is: Explain:  |     |
| Surface Flow is: Characteristics:  |     |
| Subsurface Flow: Explain Findings:   |     |
| <ul> <li>□ Wetland Directly Abutting Non-TNW</li> <li>□ Wetland Not Directly Abutting Non-TNW</li> <li>□ Discrete wetland hydrologic connection Explain:</li> <li>□ Ecological connection Explain:</li> <li>□ Separated by berm/barrier Explain:</li> <li>Project Wetlands: River Miles from TNW:</li> <li>Project Wetlands: Aerial Miles from TNW:</li> <li>Flow is From:</li> <li>Approximate Location of Wetland within Floodplain:</li> </ul> (ii) Chemical Characteristics: |     |
| Characterize Wetland System:   |     |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |     |
| <ul> <li>□ Riparian Buffer Explain:</li> <li>□ Vegetation type/percent cover. Explain:</li> <li>Habitat for:</li> <li>□ Federally Listed Species Explain:</li> <li>□ Fish/Spawn Areas Explain:</li> <li>□ Other environmentally-sensitive species Explain:</li> </ul>  |     |
| ☐ Aquatic/Wildlife Diversity Explain:  |     |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |     |
| All wetland(s) considered in cumulative analysis:  |     |
| Wetland acres in total being considered in cumulative analysis:  |     |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical function   | s): |
|  |     |

| . SIGNIFICANT NEXUS DETERMINATION  |   |
|--|---|
| 1. Significant nexus findings for non-R into TNW. Explain:   | PW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gillespie Didischarges, in combination with the ge downstream manmade impoundment possibility of a hydrologic connection be critical habitats were identified within does not provide lifecycle support fund drainage does not have more than a speciological integrity of the TNW. Therefore   | ocated more than 100 river miles from the nearest TNW, the Gila River am. An analysis of peak yearly discharges and potential flood omorphology of the Analysis Area, the presence of a significant (Tat Momolikot Dam), and the distance to the TNW, suggests that the petween this drainage and the TNW is tenuous. No pollutants or the Analysis Area. Additionally, this unnamed ephemeral drainage ctions, nutrients, or organic carbon to species within the TNW. This peculative or insubstantial effect on the physical, chemical, and/or ore, this unnamed ephemeral drainage does not possess a significant River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for non-R or indirectly into TNW. Explain:   | PW and its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for wetla Explain:   | nds adjacent to an RPW but that do not directly abut the RPW.   |
| DETERMINATIONS OF JURISDICTIONA  | L FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:   | Width (ft), Or,  Acres  Acres   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):   | Width (ft), Or, Acres   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):   | Width (ft), Or,  Acres  irectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind  Non-TNW/non-RPW waterbody that with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands)  | Width (ft), Or,  Acres  irectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind  Non-TNW/non-RPW waterbody that with a TNW, and is therfore jurisdict Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands)  | Width (ft), Or,  Acres  irectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  directly abutting RPWs):  adjacent to but not directly abutting RPWs):   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the section III D 5 (Wetlands 6. Wetlands 6. | Width (ft), Or,  Acres  irectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  a directly abutting RPWs):  a adjacent to but not directly abutting RPWs):  hat flow directly or indirectly into TNWs.   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the Wetland adjacent to non-RPWs whas a significant nexus with the TN   | Width (ft), Or,  Acres  irectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  a directly abutting RPWs):  a adjacent to but not directly abutting RPWs):  hat flow directly or indirectly into TNWs.  hich, in combination with the tributary and other adjacent wetlands, IW.   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands G. Wetlands adjacent to non-RPWs the Wetland adjacent to non-RPWs whas a significant nexus with the TN Estimated size of jurisdictional weten  | Width (ft), Or, Acres  Acres  irectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet): Acres:  a directly abutting RPWs):  a adjacent to but not directly abutting RPWs):  nat flow directly or indirectly into TNWs.  hich, in combination with the tributary and other adjacent wetlands, IW.  tland (in acres):   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or ind with a TNW, and is therfore jurisdic Length (Linear Feet):  Reserved for Section III D 4 (Wetlands Reserved for Section III D 5 (Wetlands 6. Wetlands adjacent to non-RPWs the Wetland adjacent to non-RPWs whas a significant nexus with the TN   | Width (ft), Or,  Acres  Acres  irectly into TNWs.  at flows directly or indirectly into a TNW and has a signficant nexus ctional.  Width (feet):  Acres:  adjacent to but not directly abutting RPWs):  at flow directly or indirectly into TNWs.  hich, in combination with the tributary and other adjacent wetlands, IW.  tland (in acres):  |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 66A   |                    |                   |            |                    |                   |      |
|---|--------------------|-------------------|------------|--------------------|-------------------|------|
| As described in Section 3C possess a significant nexus                                | •                  |                   | eral drain | age determine      | d that it did not |      |
| Explain finding of Other:   |                    |                   |            |                    |                   |      |
| ✓ Non-wetland waters  | 2364.74            | linear feet (ft), | 14.84      | width (ft)         |                   |      |
| Other waters  |                    | acres             |            |                    |                   |      |
| ☐ Wetlands  |                    | acres             |            |                    |                   |      |
| SECTION IV: DATA SOURCES  |                    |                   |            |                    |                   |      |
| ✓ Maps, Plans, Plots or P   | lat Submitted by   | Applicant/Cons    | ultant: V  | VestLand Resou     | urces, Inc.       |      |
| ✓ Data Sheets Prepared/   |                    | half of Applicant |            |                    |                   |      |
| Office Concurs with   |                    |                   |            |                    |                   |      |
| ☐ Office Does Not Co  |                    | ation             |            |                    |                   |      |
| <ul><li>☐ Data Sheets Prepared</li><li>☐ Corps Navigable Water</li></ul>              | •                  |                   |            |                    |                   |      |
| ☐ US Geological Survey F  | •                  |                   |            |                    |                   |      |
| ☐ USGS NHD Data   | Tydrologic / tilds |                   |            |                    |                   |      |
| ☐ USGS 8 and 12 digi  | it HUC Map         |                   |            |                    |                   |      |
| _   | ·                  | d Ouad Name       |            |                    |                   |      |
| ✓ US Geological Survey N<br>Silver Reef Mounta  | •                  |                   | Rosa Moui  | ntains NW 7 5-I    | Minute Quadrans   | gles |
|   |                    |                   |            | 1101113 1444 7.5 1 | viiiate Quadrang  | 5103 |
| ☐ USDA Nat'l Res Conser   |                    | ·                 | on:        |                    |                   |      |
| <ul><li>☐ National Wetlands Inventor</li><li>☐ State/Local Wetland Inventor</li></ul> |                    | Cite Map Name:    |            |                    |                   |      |
| ☐ FEMA/FIR Maps   | ivenitory iviaps   |                   |            |                    |                   |      |
| ☐ 100-year Floodplain Ele   | evation is:        |                   | (Nationa   | l Geodetic Vert    | tical Datum of 19 | 29)  |
| ✓ Aerial Photographs (I   |                    | BING, Microsoft   | •          |                    |                   | ,    |
| ✓ Other Photographs (I  | Name and Date):    | Ground Photos;    | May 2012   | 2                  |                   |      |
| Previous Determinatio   | ns File No. and    | Date of Response  | e Letter:  |                    |                   |      |
| Applicable/Supporting   |                    |                   |            |                    |                   |      |
| Applicable/Supporting   | Scientific Literat | ure Citation:     |            |                    |                   |      |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM                                 | <u>IATION</u>  |                         |                             |
|--|--|-------------------------|-----------------------------|
| A. Report Completion Date for App                            | roved Jurisdictional Determina   | ation: 07/30/2012       |                             |
| B. District Office and File No: Los                          | Angeles District, File No. Pendi   | ng                      |                             |
| C. Project Location and Background                           | d Information: <b>Drainage Fea</b>   | ture 66A1               |                             |
| City, County, State Sif Oidak Dis                            | strict, Tohono O'odham Nation  | , Pima and Pinal Coun   | ties, Arizona               |
| Center coordinates of site: Lat.                             | 32.5073 Long11   | 1.9100                  |                             |
| Name of nearest waterbody: Uni                               | named Wash 66A1  |                         |                             |
| Name of nearest downstream TNV                               | W: Gila River between Powers   | s Butte and Gillespie D | am                          |
| HUC Code: 15050306   |  |                         |                             |
| ✓ Map/Diagram of potential jurise                            | dictional area is available on re  | quest                   |                             |
| D. Review Performed for Site Evalu                           | ation:   |                         |                             |
| Office Determination. Date:                                  |  |                         |                             |
| Field Determination. Date: 05/2                              | 2012   |                         |                             |
| SECTION II: SUMMARY OF FINDING                               | GS   |                         |                             |
| A. RHA Section 10 Determination                              |  |                         |                             |
| There Are No "navigable waters                               | s of the U.S." within RHA jurisd   | iction in the review ar | ea.                         |
| B. CWA Section 404 Determination                             | n of Jurisdiction  |                         |                             |
| There Are No "waters of the                                  | ne U.S." within CWA jurisdiction   | n in the review area.   |                             |
| 1. Waters of the US:   |  |                         |                             |
| Linear Feet  | Width (ft) and/  | or Acre                 | 2S                          |
| Limits of Jurisdiction based on:                             |  |                         |                             |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa |  | essed and determined    | I not to be jurisdictional: |
| considered jurisdictional if                                 | does not qualify as a TNW or fit possessed a significant nexusexus with the downstream TNV | s with a downstream T   |                             |
| SECTION III: CWA ANALYSIS                                    |  |                         |                             |
| A. TNWs AND WETLANDS ADJACE                                  | NT TO TNWs   |                         |                             |
| 1. Identified TNW:   |  |                         |                             |
| Rationale for TNW determinat                                 | ion:   |                         |                             |
| 2. Rationale for conclusion tha                              | t any wetlands present are "ac   | ljacent":               |                             |
| B. CHARACTERISTICS OF NON-TN\                                | N TRIBUTARY AND ITS ADJACE   | NT WETLANDS             |                             |
| TNW Watershed Size (sq mi):                                  | 49650 Tributarie   | s flow to TNW:          | 4                           |
| Drainage Area (sq mi):                                       | 0.00093 River Mile   | es from tributary to TN | IW: 30 (or more)            |
| Average Annual Rainfall (in):                                |  | es from tributary to RP |                             |
| Average Annual Snowfall (in):                                |  | es from tributary to Ti |                             |
| Duciestt   |  | es from tributary to RI | YVV:                        |
| Project waters cross or serven                               | e as state boundaries. Expla   | ıın:                    |                             |

Feature ID: 66A1

| Jnnamed drainages of<br>suggests the most like River.   |  | •  | •  | •            | sa Wash. Topography<br>z Wash to the Gila |
|---|--|--|----|--------------|---|
| Fributary is: Natural   | Ехр  | olain:                                   |    |              |   |
| Average Width (ft):   | 14.71  |  |    |              |   |
| Average Depth (ft):   | 1  |  |    |              |   |
|   |  |  |    |              |   |
| Average Side Slopes:<br>Primary tributary sub   | ostrate comp   | •  |    | □ Vocatation |   |
| Average Side Slopes:  Primary tributary sub  Silts   Sands  | estrate comp   |  |    | ☐ Vegetation |   |
| Average Side Slopes:  Primary tributary sub  Silts   Sands  | ostrate comp  Cob  Muck Ot                                     | bles Bedro                               |    | ☐ Vegetation |   |
| everage Side Slopes:  Primary tributary sub  ✓ Silts □ Sands  □ Concrete □ N  Tributary Condition/S | ostrate comp<br>Cob<br>Muck Ot<br>Stability. Exp               | bles Bedroother, Explain:  Dlain: Stable |    | ☐ Vegetation |   |
| Average Side Slopes: Primary tributary sub Silts Sands Concrete N                                   | ostrate comp<br>Cob<br>Muck Ot<br>Stability. Exp<br>e/Pool Com | bles Bedroother, Explain:  Dlain: Stable | ck | ☐ Vegetation |   |

| Tributary Provides for: Ephemeral Flow Average Flow Events per year: 2-5  Describe Flow Regime: Ephemeral Other Information on Duration and Volume: Surface Flow is: Confined Characteristics: Subsurface Flow: No Explain:  Tributary Has:  | (c) Flow:                  |                                    |                                       |   |          |          |                  |  |
|--|----------------------------|------------------------------------|---------------------------------------|---|----------|----------|------------------|--|
| Surface Flow is:  Subsurface Flow:  No  Explain:  Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank  Changes in soil character  Sediment deposition  Sediment sorting  Abrupt change in plant community  Scour  Multiple observed or predicted flow events  Presence of wrack line  Other (list):  Discontinuous? Explain:  Characteristics:  Characterize Tributary:   | Tributary Provides for:    | Ephemeral Flow                     | Average Fl                            | low Event                                 | s per ye | ar:      | 2-5              |  |
| Subsurface Flow:  No Explain:  Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank  Changes in soil character  Sediment deposition  Sediment sorting  Abrupt change in plant community  Scour  Multiple observed or predicted flow events  Presence of wrack line Other (list):  Discontinuous? Explain:  Substitution of terrestrial vegetation  Mater staining Other (list):  Discontinuous? Explain:   | Describe Flow Regime:      | Ephemeral                          | Other Info                            | Other Information on Duration and Volume: |          |          |                  |  |
| Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank Changes in soil character Sediment deposition Sediment sorting Scour Multiple observed or predicted flow events Presence of wrack line Other (list): Discontinuous? Explain:  Characterize Tributary:   | Surface Flow is:           | Confined                           | Characteri                            | stics:                                    |          |          |                  |  |
| Bed and Banks   ✔ OHWM: OHWM Indicators:   Clear, natural line impressed on the bank Vegetation matted down, bent or absent   ✔ Changes in soil character Leaf litter disturbed or washed away   Shelving Presence of litter and debris   Sediment deposition Destruction of terrestrial vegetation   ✔ Sediment sorting Abrupt change in plant community   Scour Multiple observed or predicted flow events   Presence of wrack line Water staining   Other (list): Discontinuous? Explain:    (iii) Chemical Characteristics:  Characterize Tributary:   | Subsurface Flow:           | No                                 | Explain:                              |   |          |          |                  |  |
| ✓ OHWM: OHWM Indicators:  □ Clear, natural line impressed on the bank □ Changes in soil character □ Leaf litter disturbed or washed away □ Shelving □ Presence of litter and debris □ Sediment deposition □ Destruction of terrestrial vegetation □ Abrupt change in plant community □ Scour □ Multiple observed or predicted flow events □ Presence of wrack line □ Other (list): □ Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:   | Tributary Has:             |                                    |                                       |   |          |          |                  |  |
| ✓ OHWM: OHWM Indicators:  □ Clear, natural line impressed on the bank □ Changes in soil character □ Leaf litter disturbed or washed away □ Shelving □ Presence of litter and debris □ Sediment deposition □ Destruction of terrestrial vegetation □ Abrupt change in plant community □ Scour □ Multiple observed or predicted flow events □ Presence of wrack line □ Other (list): □ Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:   | □ Bed and Banks            |                                    |                                       |   |          |          |                  |  |
| <ul> <li>□ Clear, natural line impressed on the bank</li> <li>□ Changes in soil character</li> <li>□ Leaf litter disturbed or washed away</li> <li>□ Shelving</li> <li>□ Presence of litter and debris</li> <li>□ Sediment deposition</li> <li>☑ Destruction of terrestrial vegetation</li> <li>☑ Sediment sorting</li> <li>□ Abrupt change in plant community</li> <li>□ Scour</li> <li>□ Multiple observed or predicted flow events</li> <li>□ Presence of wrack line</li> <li>□ Other (list):</li> <li>□ Discontinuous? Explain:</li> </ul> (iii) Chemical Characteristics: Characterize Tributary: |                            | dicators:                          |                                       |   |          |          |                  |  |
| <ul> <li>✓ Changes in soil character</li> <li>☐ Shelving</li> <li>☐ Presence of litter and debris</li> <li>☐ Sediment deposition</li> <li>✓ Destruction of terrestrial vegetation</li> <li>✓ Sediment sorting</li> <li>☐ Abrupt change in plant community</li> <li>☐ Scour</li> <li>☐ Multiple observed or predicted flow events</li> <li>☐ Presence of wrack line</li> <li>☐ Water staining</li> <li>☐ Other (list):</li> <li>☐ Discontinuous? Explain:</li> </ul> (iii) Chemical Characteristics: Characterize Tributary:  |                            |                                    | □ Ve                                  | getation                                  | matted   | down, k  | ent or absent    |  |
| Shelving □ Presence of litter and debris   Sediment deposition ☑ Destruction of terrestrial vegetation   ☑ Sediment sorting □ Abrupt change in plant community   □ Scour □ Multiple observed or predicted flow events   □ Presence of wrack line □ Water staining   Other (list): □ Discontinuous? Explain:    (iii) Chemical Characteristics:  Characterize Tributary:  |                            | •                                  |                                       | _   |          |          |                  |  |
| ✓ Sediment sorting   |                            |                                    | •                                     |   |          |          |                  |  |
| Scour Multiple observed or predicted flow events Presence of wrack line Water staining Other (list): Discontinuous? Explain:  (iii) Chemical Characteristics: Characterize Tributary:  | ☐ Sediment deposition      | on                                 | Destruction of terrestrial vegetation |   |          |          |                  |  |
| ☐ Presence of wrack line ☐ Water staining Other (list): ☐ Discontinuous? Explain:  (iii) Chemical Characteristics: Characterize Tributary:   | Sediment sorting           | ☐ Abrupt change in plant community |                                       |   |          |          |                  |  |
| Other (list):  Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:   | ☐ Scour                    |                                    | $\square$ M                           | ultiple ob                                | served o | or predi | cted flow events |  |
| ☐ Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:  | ☐ Presence of wrack        | line                               | $\square$ W                           | ater stain                                | ing      |          |                  |  |
| (iii) Chemical Characteristics: Characterize Tributary:  | Other (list):              |                                    |                                       |   |          |          |                  |  |
| Characterize Tributary:  | ☐ Discontinuous? Ex        | xplain:                            |                                       |   |          |          |                  |  |
| Characterize Tributary:  | (iii) Chamical Characteris | tice:                              |                                       |   |          |          |                  |  |
| ·  |                            |                                    |                                       |   |          |          |                  |  |
| Identity Specific Pollutants, it known:  |                            | •                                  |                                       |   |          |          |                  |  |
| identify Specific Foliatants, it knows:  | Identify Specific Polli    | utants, if known:                  |                                       |   |          |          |                  |  |
|  |                            |                                    |                                       |   |          |          |                  |  |
|  |                            |                                    |                                       |   |          |          |                  |  |
|  |                            |                                    |                                       |   |          |          |                  |  |

| Feature ID: 66A1   |         |
|--|---------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |         |
| Riparian Corridor Characteristics:   |         |
| ☐ Wetland Fringe Characteristics:  |         |
| Habitat for:   |         |
| Federally Listed Species Explain:  |         |
| ☐ Fish/Spawn Areas Explain:  |         |
| Other environmentally -sensitive species Explain:  |         |
| ☐ Aquatic/Wildlife diversity Explain:  |         |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW (i) Physical Characteristics:   |         |
| Wetland Size (ac): Wetland Type, Explain:  |         |
| Wetland Quality, Explain:  |         |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |         |
| Wetland Flow is: Explain:  |         |
| Surface Flow is: Characteristics:  |         |
| Subsurface Flow: Explain Findings:   |         |
| <ul> <li>□ Wetland Directly Abutting Non-TNW</li> <li>□ Wetland Not Directly Abutting Non-TNW</li> <li>□ Discrete wetland hydrologic connection Explain:</li> <li>□ Ecological connection Explain:</li> <li>□ Separated by berm/barrier Explain:</li> <li>Project Wetlands: River Miles from TNW:</li> <li>Project Wetlands: Aerial Miles from TNW:</li> <li>Flow is From:</li> <li>Approximate Location of Wetland within Floodplain:</li> </ul> (ii) Chemical Characteristics: |         |
| Characterize Wetland System:   |         |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |         |
| ☐ Riparian Buffer Explain:   |         |
| ☐ Vegetation type/percent cover. Explain:  |         |
| Habitat for:   |         |
| Federally Listed Species Explain:  |         |
| ☐ Fish/Spawn Areas Explain:  |         |
| Other environmentally-sensitive species Explain:   |         |
| ☐ Aquatic/Wildlife Diversity Explain:  |         |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |         |
| All wetland(s) considered in cumulative analysis:  |         |
| Wetland acres in total being considered in cumulative analysis:  |         |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical func   | tions): |
|  |         |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the detween Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significate downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drain does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW | Gila Rive                |
|--|--------------------------|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significa downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drain does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW   | nt                       |
| drainage does not have more than a speculative or insubstantial effect on the physical, chemical, an biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a signexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  | nage<br>/. This<br>nd/or |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows did or indirectly into TNW. Explain:  | rectly                   |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPV Explain:   | w.                       |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):   |                          |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  |                          |
| <ul> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant r with a TNW, and is therfore jurisdictional.</li> <li>Length (Linear Feet): Width (feet): Acres:</li> </ul>  | nexus                    |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |                          |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |                          |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   |                          |
| <ul> <li>□ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent we has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> </ul>  | etlands,                 |
| 7. Impoundments of jurisdictional waters.  |                          |
| Demonstration of Jurisdiction:   |                          |
| ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION WHICH COULD AFFECT INTERSTATE COMMERCE   | I OF                     |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

## Feature ID: 66A1 As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 1766.66 linear feet (ft), 14.71 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929) Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008 ✓ Other Photographs (Name and Date): Ground Photos; May 2012 Previous Determinations File No. and Date of Response Letter: ☐ Applicable/Supporting Case Law Citation:

Applicable/Supporting Scientific Literature Citation:

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>MATION</u>                  |   |                      |                     |
|---|--------------------------------|---|----------------------|---------------------|
| A. Report Completion Date for App   | proved Jurisdictional Deter    | mination: 07/30/                              | 2012                 |                     |
| B. District Office and File No: Los   | Angeles District, File No. F   | ending  |                      |                     |
| C. Project Location and Background  | d Information: <b>Drainage</b> | Feature 66A1A                                 |                      |                     |
| City, County, State Sif Oidak Dis   | strict, Tohono O'odham N       | ation, Pima and Pina                          | l Counties, Arizona  |                     |
| Center coordinates of site: Lat.  | 32.5073 Long                   | 111.9100                                      |                      |                     |
| Name of nearest waterbody: Uni  | named Wash 66A1A               |   |                      |                     |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River between Po       | owers Butte and Gille                         | espie Dam            |                     |
| ✓ Map/Diagram of potential jurise   | dictional area is available    | on request                                    |                      |                     |
| D. Review Performed for Site Evalu  | uation:                        |   |                      |                     |
| Office Determination. Date:   |                                |   |                      |                     |
| Field Determination. Date: 05/2   | 2012                           |   |                      |                     |
| SECTION II: SUMMARY OF FINDING  | GS                             |   |                      |                     |
| A. RHA Section 10 Determination   |                                |   |                      |                     |
| There Are No "navigable waters  |                                | urisdiction in the rev                        | iew area.            |                     |
| B. CWA Section 404 Determination  | •                              |   |                      |                     |
|   | ne U.S." within CWA jurisd     | iction in the review a                        | area.                |                     |
| 1. Waters of the US:  | ,                              |   |                      |                     |
| Linear Feet   | Width (ft)                     | and/or  | Acres                |                     |
| Limits of Jurisdiction based on:  |                                |   |                      |                     |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa                        |                                | e assessed and dete                           | rmined not to be jur | isdictional:        |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a significant     | nexus with a downst                           | _                    |                     |
| SECTION III: CWA ANALYSIS   |                                |   |                      |                     |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs                    |   |                      |                     |
| 1. Identified TNW:  |                                |   |                      |                     |
| Rationale for TNW determinat  | tion:                          |   |                      |                     |
| 2. Rationale for conclusion tha   | at any wetlands present ar     | e "adjacent":                                 |                      |                     |
| B. CHARACTERISTICS OF NON-TNV   | W TRIBUTARY AND ITS AD         | JACENT WETLANDS                               |                      |                     |
| TNW Watershed Size (sq mi):   |                                | taries flow to TNW:                           | 4                    |                     |
| Drainage Area (sq mi):  |                                | Miles from tributary                          | ·                    | nore)               |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         |                                | Miles from tributary  Il Miles from tributary |                      | more)               |
| Average Annaai Showlan (III).   |                                | il Miles from tributar                        | •                    | iioi c <sub>j</sub> |
| ☐ Project waters cross or serv  |                                | Explain:                                      | -                    |                     |

Feature ID: 66A1A

| Feature ID: 66A1A       |                    |   |
|-------------------------|--------------------|---|
| Identify flow route to  | TNW:               |   |
|                         | •                  | ysis Area are ultimately tributary to the Santa Rosa Wash. Topography<br>cential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural   | Explain:           | ı:  |
| Average Width (ft):     | 11.98              |   |
| Average Depth (ft):     | 1                  |   |
| Average Side Slopes:    | 2:1                |   |
| Primary tributary sub   | strate compositi   | tion (check all that apply):  |
| •                       | •                  | , ,   |
| ✓ Silts ☐ Sands         | ☐ Cobbles          | Bedrock ✓ Gravel □ Vegetation   |
| ☐ Concrete ☐ M          | luck Other,        | r, Explain:   |
| Tributary Condition/S   | tability. Explain: | n: Stable   |
| Presence of Run/Riffle  | e/Pool Complex     | xes. Explain: Not Present   |
| Tributary Geometry:     | Relatively Str     | raight  |
| Tributary Gradient (a)  | oproximate aver    | erage slope): 2%  |
|                         |                    |   |
| c) Flow:                |                    |   |
| Tributary Provides for: | Ephemeral Flov     | w Average Flow Events per year: 2-5   |
| Describe Flow Regime:   | Ephemeral          | Other Information on Duration and Volume:   |
| Surface Flow is:        | Confined           | Characteristics:  |

| Tributary Frovides for.         | Lphemeral How         | Average    | i low Everits per y  | cai.      | 2-3             |    |
|---------------------------------|-----------------------|------------|----------------------|-----------|-----------------|----|
| Describe Flow Regime:           | Ephemeral             | Other Inf  | ormation on Dura     | ation and | l Volume:       |    |
| Surface Flow is:                | Confined              | Characte   | ristics:             |           |                 |    |
| Subsurface Flow:                | No                    | Explain:   |                      |           |                 |    |
| Tributary Has:                  |                       |            |                      |           |                 |    |
| $\square$ Bed and Banks         |                       |            |                      |           |                 |    |
| ✓ OHWM: OHWM Inc                | dicators:             |            |                      |           |                 |    |
| $\square$ Clear, natural line i | impressed on the bank | V          | egetation matted     | l down, l | pent or absent  |    |
| Changes in soil cha             | ıracter               |            | eaf litter disturbe. | d or was  | hed away        |    |
| $\square$ Shelving              |                       | □ P        | Presence of litter a | and debr  | is              |    |
| ☐ Sediment deposition           | on                    | <b>✓</b> [ | Destruction of terr  | estrial v | egetation       |    |
| Sediment sorting                |                       |            | Abrupt change in p   | olant con | nmunity         |    |
| ☐ Scour                         |                       |            | Multiple observed    | or predi  | cted flow event | ts |
| ☐ Presence of wrack             | line                  | □ V        | Water staining       |           |                 |    |
| Other (list):                   |                       |            |                      |           |                 |    |
| ☐ Discontinuous? Ex             | rplain:               |            |                      |           |                 |    |
| (iii) Chemical Characteris      | tics:                 |            |                      |           |                 |    |
| Characterize Tributa            | ry:                   |            |                      |           |                 |    |
| Identify Specific Poll          | utants, if known:     |            |                      |           |                 |    |
|                                 |                       |            |                      |           |                 |    |
|                                 |                       |            |                      |           |                 |    |
| 1                               |                       |            |                      |           |                 |    |
|                                 |                       |            |                      |           |                 |    |

| Feature ID: 66A1A  |
|--|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |
| ☐ Riparian Corridor Characteristics: ☐ Wetland Fringe Characteristics:   |
| Habitat for:  Federally Listed Species Explain:  Fish/Spawn Areas Explain:  Other environmentally -sensitive species Explain:  Aquatic/Wildlife diversity Explain:   |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW   |
| (i) Physical Characteristics:  |
| Wetland Size (ac): Wetland Type, Explain: Wetland Quality, Explain:  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |
| Wetland Flow is: Explain:  |
| Surface Flow is: Characteristics:  |
| Subsurface Flow: Explain Findings:   |
| <ul> <li>□ Wetland Not Directly Abutting Non-TNW</li> <li>□ Discrete wetland hydrologic connection Explain:</li> <li>□ Ecological connection Explain:</li> <li>□ Separated by berm/barrier Explain:</li> <li>Project Wetlands: River Miles from TNW:</li> <li>Project Wetlands: Aerial Miles from TNW:</li> <li>Flow is From:</li> <li>Approximate Location of Wetland within Floodplain:</li> </ul> |
| (ii) Chemical Characteristics:   |
| Characterize Wetland System:   |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |
| □ Riparian Buffer Explain:   □ Vegetation type/percent cover. Explain:   Habitat for:   □ Federally Listed Species Explain:   □ Fish/Spawn Areas Explain:   □ Other environmentally-sensitive species Explain:   □ Aquatic/Wildlife Diversity Explain:   |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |
| All wetland(s) considered in cumulative analysis:  Wetland acres in total being considered in cumulative analysis:  Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions):  |

| SIGNIFICANT NEXUS DET  | ERMINATION   |
|--|--|
| 1. Significant nexus finding into TNW. Explain:  | ngs for non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte ardischarges, in combination downstream manmade in possibility of a hydrologic critical habitats were ider does not provide lifecycle drainage does not have much biological integrity of the | I drainage is located more than 100 river miles from the nearest TNW, the Gila River and Gillespie Dam. An analysis of peak yearly discharges and potential flood on with the geomorphology of the Analysis Area, the presence of a significant impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the connection between this drainage and the TNW is tenuous. No pollutants or intified within the Analysis Area. Additionally, this unnamed ephemeral drainage is support functions, nutrients, or organic carbon to species within the TNW. This more than a speculative or insubstantial effect on the physical, chemical, and/or TNW. Therefore, this unnamed ephemeral drainage does not possess a significant the of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus finding or indirectly into TNW. E   | ngs for non-RPW and its adjacent wetlands, where the non-RPW flows directly explain:   |
| 3. Significant nexus finding Explain:  | ngs for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| DETERMINATIONS OF III  | RISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| 1. TNWs and Adjacent W   |  |
| ☐ TNWs:  | Linear Feet Width (ft), Or, Acres  |
| <ul><li>Wetlands adjacent to</li></ul>   |  |
| Reserved for Section III D   |  |
|  |  |
| 3 Non-RPWs that flow d   | lirectly or indirectly into TNWs.  |
|  | and a district flower discrete and indicate into a TANAL and have a simplificant resource  |
| ☐ Non-TNW/non-RPW v  | waterbody that flows directly or indirectly into a TNW and has a signficant nexus erfore jurisdictional.   |
|  | ,  |
| ☐ Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):   | erfore jurisdictional.   |
| ☐ Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III I   | erfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):   |
| ☐ Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III II  Reserved for Section III II   | erfore jurisdictional.  Width (feet): Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| □ Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):  Reserved for Section III II  Reserved for Section III II  6. Wetlands adjacent to  | erfore jurisdictional.  Width (feet):  Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  non-RPWs that flow directly or indirectly into TNWs.  non-RPWs which, in combination with the tributary and other adjacent wetlands,  |
| <ul> <li>Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):</li> <li>Reserved for Section III I</li> <li>Reserved for Section III I</li> <li>Wetlands adjacent to has a significant next</li> </ul>      | erfore jurisdictional.  Width (feet):  Acres:  D 4 (Wetlands directly abutting RPWs):  D 5 (Wetlands adjacent to but not directly abutting RPWs):  non-RPWs that flow directly or indirectly into TNWs.  non-RPWs which, in combination with the tributary and other adjacent wetlands,  |
| <ul> <li>□ Non-TNW/non-RPW with a TNW, and is the Length (Linear Feet):</li> <li>Reserved for Section III II</li> <li>Reserved for Section III II</li> <li>Wetlands adjacent to has a significant next</li> </ul>  | erfore jurisdictional.  Width (feet):  Acres:  O 4 (Wetlands directly abutting RPWs):  O 5 (Wetlands adjacent to but not directly abutting RPWs):  O non-RPWs that flow directly or indirectly into TNWs.  Inon-RPWs which, in combination with the tributary and other adjacent wetlands, as with the TNW.  Sdictional wetland (in acres):  |

# Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Explain finding of no Significant Nexus:

Non-Jurisdictional Waters:

## Feature ID: 66A1A As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW. Explain finding of Other: ✓ Non-wetland waters 271.31 linear feet (ft), 11.98 width (ft) ☐ Other waters acres ■ Wetlands acres **SECTION IV: DATA SOURCES** Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ✓ Data Sheets Prepared/Submitted on behalf of Applicant ☐ Office Concurs with delineation ☐ Office Does Not Concur with delineation ☐ Data Sheets Prepared by the Corps ☐ Corps Navigable Water Study ☐ US Geological Survey Hydrologic Atlas ☐ USGS NHD Data ☐ USGS 8 and 12 digit HUC Map ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles ☐ USDA Nat'l Res Conservation Service Soil Survey Citation: ☐ National Wetlands Inventory Maps Cite Map Name: ☐ State/Local Wetland Inventory Maps ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)

Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008

✓ Other Photographs (Name and Date): Ground Photos; May 2012☐ Previous Determinations File No. and Date of Response Letter:

☐ Applicable/Supporting Case Law Citation:

Other Information, Please Specify: Additional Comments to Support JD:

Applicable/Supporting Scientific Literature Citation:

| SECTION I: BACKGROUND INFORM  | <u>MATION</u>    |                        |                                    |            |                      |
|---|------------------|------------------------|------------------------------------|------------|----------------------|
| A. Report Completion Date for App   | oroved Jurisdic  | tional Determinatio    | n: 07/30/201                       | 12         |                      |
| B. District Office and File No: Los   | Angeles Distric  | ct, File No. Pending   |                                    |            |                      |
| C. Project Location and Background  | d Information:   | Drainage Feature       | e 67                               |            |                      |
| City, County, State Sif Oidak Dis   | strict, Tohono   | O'odham Nation, Pi     | ma and Pinal Co                    | ounties, A | rizona               |
| Center coordinates of site: Lat.  | 32.5073          | Long111.9              | 100                                |            |                      |
| Name of nearest waterbody: Un   | named Wash 6     | 7                      |                                    |            |                      |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River    | between Powers Bu      | itte and Gillesp                   | ie Dam     |                      |
| ✓ Map/Diagram of potential juris  | dictional area i | s available on reque   | est                                |            |                      |
| D. Review Performed for Site Evalu  | iation:          |                        |                                    |            |                      |
| Office Determination. Date:   |                  |                        |                                    |            |                      |
| Field Determination. Date: 05/  | 2012             |                        |                                    |            |                      |
| SECTION II: SUMMARY OF FINDIN   | GS               |                        |                                    |            |                      |
| A. RHA Section 10 Determination   |                  |                        |                                    |            |                      |
| There Are No "navigable waters  |                  | vithin RHA jurisdictio | on in the review                   | v area.    |                      |
| B. CWA Section 404 Determination  | n of Jurisdictio | on                     |                                    |            |                      |
| There Are No "waters of the   | ne U.S." within  | CWA jurisdiction in    | the review are                     | a.         |                      |
| 1. Waters of the US:  |                  |                        |                                    |            |                      |
| Linear Feet   |                  | Width (ft) and/or      | -                                  | Acres      |                      |
| Limits of Jurisdiction based on:  |                  |                        |                                    |            |                      |
| 2. Non-Regulated Waters/Wet   | lands:           |                        |                                    |            |                      |
| ✓ Potentially jurisdictional wa   | iters and/or w   | etlands were assess    | ed and determi                     | ined not t | o be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a   | significant nexus wi   | -                                  | _          | •                    |
| SECTION III: CWA ANALYSIS   |                  |                        |                                    |            |                      |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs      |                        |                                    |            |                      |
| 1. Identified TNW:  |                  |                        |                                    |            |                      |
| Rationale for TNW determinate   | tion:            |                        |                                    |            |                      |
| 2. Rationale for conclusion tha   | nt any wetlands  | s present are "adjac   | ent":                              |            |                      |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY      | AND ITS ADJACENT       | WETLANDS                           |            |                      |
| TNW Watershed Size (sq mi):   | 49650            | Tributaries flo        |                                    |            | 4                    |
| Drainage Area (sq mi):  | 0.00098          |                        | om tributary to                    |            | 30 (or more)         |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 8.5<br>0         |                        | om tributary to<br>rom tributary t |            | 30 (or more)         |
| Average Annual Showlan (III).   | U                |                        | rom tributary t                    |            | 50 (of filote)       |
| ☐ Project waters cross or serv  | ve as state bou  |                        | ,                                  |            |                      |

Feature ID: 67

| Identify flow route to<br>Unnamed drainages                                 | within t   | •                     |               | •              | -          |              |                    |   |
|---|--|-----------------------|---------------|----------------|------------|--------------|--------------------|---|
| suggests the most lik<br>River.   | ely rou  | te of poter           | itial flow is | Santa Rosa V   | Vash to th | ie Santa Cru | iz Wash to the Gil | a |
| Tributary is: Natural   |  | Explain:              |               |                |            |              |                    |   |
| Average Width (ft):   | 13.30  |                       |               |                |            |              |                    |   |
| Average Depth (ft):   | 1  |                       |               |                |            |              |                    |   |
|   |  |                       |               |                |            |              |                    |   |
|   |  | compositic            | on (check al  | I that apply): |            |              |                    |   |
| Average Side Slopes:  Primary tributary sub  Sands                          | ostrate (  | compositic<br>Cobbles | on (check al  |                | vel $\Box$ | Vegetation   |                    |   |
| Primary tributary sub  ✓ Silts ☐ Sands                                      | ostrate (  | •                     | ☐ Bedro       |                | vel 🗆      | Vegetation   |                    |   |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                       | ostrate o  | Cobbles<br>Other, E   | ☐ Bedro       |                | vel 🗆      | Vegetation   |                    |   |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Fributary Condition/ | ostrate of the state of the sta | Cobbles Other, E      | ☐ Bedro       |                |            | Vegetation   |                    |   |
| Primary tributary sub  ✓ Silts ☐ Sands                                      | ostrate of the state of the sta | Cobbles Other, E      | Bedro         | ock 🗹 Gra      |            | Vegetation   |                    |   |

| (c) Flow:                  |                       |                  |             |             |            |                   |
|----------------------------|-----------------------|------------------|-------------|-------------|------------|-------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Eve    | nts per y   | ear:       | 2-5               |
| Describe Flow Regime:      | Ephemeral             | Other Inf        | ormation    | n on Dura   | ation and  | d Volume:         |
| Surface Flow is:           | Confined              | Characte         | ristics:    |             |            |                   |
| Subsurface Flow:           | No                    | Explain:         |             |             |            |                   |
| Tributary Has:             |                       |                  |             |             |            |                   |
| ☐ Bed and Banks            |                       |                  |             |             |            |                   |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |             |             |            |                   |
| ☐ Clear, natural line      | impressed on the bank | $\square$ $\vee$ | egetatio    | n matte     | d down,    | bent or absent    |
| Changes in soil cha        |                       |                  | eaf litter  | disturbe    | d or wa    | shed away         |
| ☐ Shelving                 |                       | □ P              | resence     | of litter a | and debi   | ris               |
| ☐ Sediment deposition      | on                    |                  | estructio   | on of teri  | restrial v | egetation         |
| Sediment sorting           |                       |                  | brupt ch    | ange in p   | olant cor  | nmunity           |
| ☐ Scour                    |                       |                  | /lultiple o | bserved     | or pred    | icted flow events |
| ☐ Presence of wrack        | line                  | □ <b>v</b>       | Vater sta   | ining       |            |                   |
| Other (list):              |                       |                  |             |             |            |                   |
| ☐ Discontinuous? Ex        | xplain:               |                  |             |             |            |                   |
| (iii) Chemical Characteris | stics:                |                  |             |             |            |                   |
| Characterize Tributa       | ry:                   |                  |             |             |            |                   |
| Identify Specific Poll     | utants, if known:     |                  |             |             |            |                   |
| , ,                        | ,                     |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |
|                            |                       |                  |             |             |            |                   |

| Feature ID: 67  |          |
|---|----------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                     |          |
| Riparian Corridor Characteristics:  |          |
| ☐ Wetland Fringe Characteristics:   |          |
| Habitat for:  |          |
| ☐ Federally Listed Species Explain:   |          |
| ☐ Fish/Spawn Areas Explain:   |          |
| ☐ Other environmentally -sensitive species Explain:   |          |
| ☐ Aquatic/Wildlife diversity Explain:   |          |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                  |          |
| (i) Physical Characteristics:   |          |
| Wetland Size (ac): Wetland Type, Explain:   |          |
| Wetland Quality, Explain:   |          |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |          |
| Wetland Flow is: Explain:   |          |
| Surface Flow is: Characteristics:   |          |
| Subsurface Flow: Explain Findings:  |          |
| ☐ Wetland Directly Abutting Non-TNW   |          |
| ☐ Wetland Not Directly Abutting Non-TNW   |          |
| ☐ Discrete wetland hydrologic connection Explain:   |          |
| ☐ Ecologcal connection Explain:   |          |
| ☐ Separated by berm/barrier Explain:  |          |
| Project Wetlands: River Miles from TNW:   |          |
| Project Wetlands: Aerial Miles from TNW:  |          |
| Flow is From:   |          |
| Approximate Location of Wetland within Floodplain:  |          |
| (ii) Chemical Characteristics:  |          |
| Characterize Wetland System:  |          |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                    |          |
|   |          |
| <ul><li>☐ Riparian Buffer Explain:</li><li>☐ Vegetation type/percent cover. Explain:</li></ul>                |          |
| Habitat for:  |          |
| Federally Listed Species Explain:   |          |
| ☐ Fish/Spawn Areas Explain:   |          |
| ☐ Other environmentally-sensitive species Explain:  |          |
| ☐ Aquatic/Wildlife Diversity Explain:   |          |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                 |          |
| All wetland(s) considered in cumulative analysis:   |          |
| Wetland acres in total being considered in cumulative analysis:   |          |
|   | ctions): |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fun | ะนบทร):  |
|   |          |
|   |          |

|   | RMINATION   |
|---|---|
| 1. Significant nexus finding into TNW. Explain:   | gs for non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and discharges, in combination downstream manmade im possibility of a hydrologic critical habitats were identidoes not provide lifecycle drainage does not have me biological integrity of the T | drainage is located more than 100 river miles from the nearest TNW, the Gila River d Gillespie Dam. An analysis of peak yearly discharges and potential flood in with the geomorphology of the Analysis Area, the presence of a significant apoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the connection between this drainage and the TNW is tenuous. No pollutants or tified within the Analysis Area. Additionally, this unnamed ephemeral drainage support functions, nutrients, or organic carbon to species within the TNW. This ore than a speculative or insubstantial effect on the physical, chemical, and/or TNW. Therefore, this unnamed ephemeral drainage does not possess a significant of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findin or indirectly into TNW. Ex  | gs for non-RPW and its adjacent wetlands, where the non-RPW flows directly cplain:  |
| 3. Significant nexus findin Explain:  | gs for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| . DETERMINATIONS OF JUF   | RISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| 1. TNWs and Adjacent We   | etlands   |
| ☐ TNWs:   | Linear Feet Width (ft), Or, Acres   |
| Wetlands adjacent to  | TNWs: Acres   |
| Reserved for Section III D 2  | 2 (RPWs):   |
| 3. Non-RPWs that flow di  | rectly or indirectly into TNWs.   |
|   | raterbody that flows directly or indirectly into a TNW and has a signficant nexus   |
| Length (Linear Feet):   | Width (feet): Acres:  |
| Reserved for Section III D  | 4 (Wetlands directly abutting RPWs):  |
| Reserved for Section III D  | 5 (Wetlands adjacent to but not directly abutting RPWs):  |
| 6. Wetlands adjacent to   | non-RPWs that flow directly or indirectly into TNWs.  |
| ☐ Wetland adjacent to r   | non-RPWs which, in combination with the tributary and other adjacent wetlands, s with the TNW.  |
| has a significant nexus   | dictional wotland (in acros):   |
| -   | dictional wetiand (in acres).   |
| has a significant nexus   | ·   |
| has a significant nexus<br>Estimated size of juris  | sdictional waters.  |
| has a significant nexus Estimated size of juris 7. Impoundments of juris Demonstration of Juris   | sdictional waters. sdiction:  JDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 67   |  |
|--|--|
| As described in Section 3C possess a significant nexus   | 1 above, an analysis of this ephemeral drainage determined that it did not with the nearest TNW.                                     |
| Explain finding of Other:  |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 2050.04 linear feet (ft), 13.30 width (ft) acres acres   |
| SECTION IV: DATA SOURCES   |  |
| ✓ Data Sheets Prepared/  ☐ Office Concurs with   | lat Submitted by Applicant/Consultant: WestLand Resources, Inc.  Submitted on behalf of Applicant delineation  neur with delineation |
| <ul> <li>□ Data Sheets Prepared B</li> <li>□ Corps Navigable Water</li> <li>□ US Geological Survey H</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digi</li> </ul> | Study<br>ydrologic Atlas   |
|  | Map(s) Scale and Quad Name: ins SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                |
| ☐ USDA Nat'l Res Conser ☐ National Wetlands Inve ☐ State/Local Wetland In ☐ FEMA/FIR Maps  |  |
| ☐ 100-year Floodplain Ele  | evation is: (National Geodetic Vertical Datum of 1929)   |
|  | Name and Date): BING, Microsoft Virtual Earth 2008   |
| ✓ Other Photographs (N   | Name and Date): Ground Photos; May 2012  |
|  | ns File No. and Date of Response Letter:   |
| ☐ Applicable/Supporting  |  |
| $\sqcup$ Applicable/Supporting   | Scientific Literature Citation:  |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>     |                         |  |                       |
|---|-------------------|-------------------------|--|-----------------------|
| A. Report Completion Date for App   | roved Jurisdic    | tional Determination:   | 07/30/2012                                 |                       |
| B. District Office and File No: Los   | Angeles Distri    | ct, File No. Pending    |  |                       |
| C. Project Location and Background  | d Information:    | Drainage Feature 6      | 57A  |                       |
| City, County, State Sif Oidak Dis   | trict, Tohono     | O'odham Nation, Pima    | and Pinal Counties,                        | Arizona               |
| Center coordinates of site: Lat.  | 32.5073           | Long111.910             | 0  |                       |
| Name of nearest waterbody: Uni  | named Wash 6      | 57A                     |  |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                  | V: Gila River     | between Powers Butto    | e and Gillespie Dam                        |                       |
| ✓ Map/Diagram of potential jurise   | dictional area    | is available on request |  |                       |
| D. Review Performed for Site Evalu  | ation:            |                         |  |                       |
| Office Determination. Date:   |                   |                         |  |                       |
| Field Determination. Date: 05/2   | 2012              |                         |  |                       |
| SECTION II: SUMMARY OF FINDING  | GS                |                         |  |                       |
| A. RHA Section 10 Determination   |                   | 1                       |  |                       |
| There Are No "navigable waters  | of the U.S." v    | vithin RHA jurisdiction | in the review area.                        |                       |
| B. CWA Section 404 Determination  | n of Jurisdiction | on                      |  |                       |
| There Are No "waters of the   | ie U.S." within   | CWA jurisdiction in th  | e review area.                             |                       |
| 1. Waters of the US:  |                   |                         |  |                       |
| Linear Feet   |                   | Width (ft) and/or       | Acres                                      |                       |
| Limits of Jurisdiction based on:  |                   |                         |  |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                   | etlands were assessed   | and determined not                         | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne   | it possessed a    | significant nexus with  |  | •                     |
| SECTION III: CWA ANALYSIS   |                   |                         |  |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs        |                         |  |                       |
| 1. Identified TNW:  |                   |                         |  |                       |
| Rationale for TNW determinat  | ion:              |                         |  |                       |
| 2. Rationale for conclusion tha   | t any wetland     | s present are "adjacen  | t":  |                       |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY       | AND ITS ADJACENT WI     | ETLANDS                                    |                       |
| TNW Watershed Size (sq mi):   | 49650             | Tributaries flow        |  | 4                     |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                  | 0.00035<br>8.5    |                         | n tributary to TNW:<br>n tributary to RPW: | 30 (or more)          |
| Average Annual Snowfall (in):   | 0                 |                         | m tributary to TNW:                        | 30 (or more)          |
|   |                   |                         | m tributary to RPW:                        | ,                     |
| ☐ Project waters cross or serv  | e as state bou    | ındaries. Explain:      |  |                       |

Feature ID: 67A

| Unnamed drainages of suggests the most like River.  |                              | •                 |                                     |                     | •       |       |  |
|---|------------------------------|-------------------|-------------------------------------|---------------------|---------|-------|--|
| Tributary is: Natural   |                              | Explain:          |                                     |                     |         |       |  |
| Average Width (ft):   | 13.14                        |                   |                                     |                     |         |       |  |
| 1   | 1                            |                   |                                     |                     |         |       |  |
| average Depth (It):   |                              |                   |                                     |                     |         |       |  |
| Average Side Slopes: Primary tributary sub  | 2:1                          | •                 | -                                   |                     | □ Veget | ation |  |
|   | 2:1 estrate                  | Cobbles<br>Other, | ☐ Bedro                             |                     | □ Veget | ation |  |
| Average Side Slopes:  Primary tributary sub  Silts   Sands                                | 2:1  strate  fuck  Stability | Cobbles Other,    | ☐ Bedro                             |                     | □ Veget | ation |  |
| Average Side Slopes:  Primary tributary sub Silts Sands Concrete N  Tributary Condition/S | 2:1  Auck Stability e/Pool   | Cobbles Other,    | Bedro Explain:  Stable es. Explain: | ock <b>☑</b> Gravel | □ Veget | ation |  |

(c) Flow:

| Tributary Provides for:         | Ephemeral Flow        | Average   | Flow Eve    | nts per ye  | ear:      | 2-5              |    |  |
|---------------------------------|-----------------------|-----------|-------------|-------------|-----------|------------------|----|--|
| Describe Flow Regime:           | Ephemeral             | Other Inf | ormation    | n on Dura   | tion and  | d Volume:        |    |  |
| Surface Flow is:                | Confined              | Characte  | ristics:    |             |           |                  |    |  |
| Subsurface Flow:                | No                    | Explain:  |             |             |           |                  |    |  |
| Tributary Has:                  |                       |           |             |             |           |                  |    |  |
| $\square$ Bed and Banks         |                       |           |             |             |           |                  |    |  |
| ✓ OHWM: OHWM Inc                | dicators:             |           |             |             |           |                  |    |  |
| $\square$ Clear, natural line i | impressed on the bank | □ V       | egetatio/   | n matted    | down,     | bent or absent   |    |  |
| Changes in soil cha             | racter                | □ L       | eaf litter  | disturbed   | d or was  | shed away        |    |  |
| ☐ Shelving                      |                       | □ P       | resence     | of litter a | nd debr   | ris              |    |  |
| ☐ Sediment deposition           | on                    |           | estructio   | on of terr  | estrial v | egetation        |    |  |
| Sediment sorting                |                       |           | brupt ch    | ange in p   | lant cor  | nmunity          |    |  |
| ☐ Scour                         |                       |           | /Jultiple o | bserved     | or pred   | icted flow event | is |  |
| $\square$ Presence of wrack     | line                  | □ V       | Vater sta   | ining       |           |                  |    |  |
| Other (list):                   |                       |           |             |             |           |                  |    |  |
| ☐ Discontinuous? Ex             | rplain:               |           |             |             |           |                  |    |  |
| (iii) Chemical Characteris      | tics:                 |           |             |             |           |                  |    |  |
| Characterize Tributa            | ry:                   |           |             |             |           |                  |    |  |
| Identify Specific Poll          | utants, if known:     |           |             |             |           |                  |    |  |
|                                 |                       |           |             |             |           |                  |    |  |
|                                 |                       |           |             |             |           |                  |    |  |
|                                 |                       |           |             |             |           |                  |    |  |
|                                 |                       |           |             |             |           |                  |    |  |

| Feature ID: 67A   |             |
|---|-------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |             |
| Riparian Corridor Characteristics:  |             |
| ☐ Wetland Fringe Characteristics:   |             |
| Habitat for:  |             |
| Federally Listed Species Explain:   |             |
| ☐ Fish/Spawn Areas Explain:   |             |
| <ul><li>☐ Other environmentally -sensitive species Explain:</li><li>☐ Aquatic/Wildlife diversity Explain:</li></ul> |             |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                        |             |
| (i) Physical Characteristics:   |             |
| Wetland Size (ac): Wetland Type, Explain:   |             |
| Wetland Quality, Explain:   |             |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |             |
| Wetland Flow is: Explain:   |             |
| Surface Flow is: Characteristics:   |             |
| Subsurface Flow: Explain Findings:  |             |
| ☐ Wetland Directly Abutting Non-TNW   |             |
| ☐ Wetland Not Directly Abutting Non-TNW   |             |
| ☐ Discrete wetland hydrologic connection Explain:   |             |
| ☐ Ecological connection Explain:  |             |
| Separated by berm/barrier Explain:  Drain to Market des Birres Miles forces TANA.                                   |             |
| Project Wetlands: River Miles from TNW:   |             |
| Project Wetlands: Aerial Miles from TNW: Flow is From:  |             |
|   |             |
| Approximate Location of Wetland within Floodplain:  |             |
| (ii) Chemical Characteristics:  |             |
| Characterize Wetland System:  |             |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |             |
| ☐ Riparian Buffer Explain:  |             |
| ☐ Vegetation type/percent cover. Explain:   |             |
| Habitat for:  |             |
| ☐ Federally Listed Species Explain:   |             |
| ☐ Fish/Spawn Areas Explain:   |             |
| Other environmentally-sensitive species Explain:  |             |
| ☐ Aquatic/Wildlife Diversity Explain:   |             |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                       |             |
| All wetland(s) considered in cumulative analysis:   |             |
| Wetland acres in total being considered in cumulative analysis:   |             |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical           | functions): |
|   |             |
|   |             |

| IIFICANT NEXUS DETERMINATION   |  |
|--|--|
| gnificant nexus findings for non-RPW that has no adjacent wetlands and floor TNW. Explain:   | ws directly or indirectly  |
| unnamed ephemeral drainage is located more than 100 river miles from the veen Powers Butte and Gillespie Dam. An analysis of peak yearly discharges a narges, in combination with the geomorphology of the Analysis Area, the presenstream manmade impoundment (Tat Momolikot Dam), and the distance to disbility of a hydrologic connection between this drainage and the TNW is tenuted habitats were identified within the Analysis Area. Additionally, this unnames not provide lifecycle support functions, nutrients, or organic carbon to specinage does not have more than a speculative or insubstantial effect on the physical integrity of the TNW. Therefore, this unnamed ephemeral drainage does so with the TNW reach of the Gila River between Powers Butte and Gillespie Days with the TNW reach of the Gila River between Powers Butte and Gillespie Days and the TNW reach of the Gila River between Powers Butte and Gillespie Days and the TNW reach of the Gila River between Powers Butte and Gillespie Days and the TNW reach of the Gila River between Powers Butte and Gillespie Days and the TNW reach of the Gila River between Powers Butte and Gillespie Days and the TNW reach of the Gila River between Powers Butte and Gillespie Days and the TNW reach of the Gila River between Powers Butte and Gillespie Days and the TNW reach of the Gila River between Powers Butte and Gillespie Days and the TNW reach of the Gila River between Powers Butte and Gillespie Days and the TNW reach of the Gila River between Powers Butte and Gillespie Days and the TNW reach of the Gila River between Powers Butte and Gillespie Days and the TNW reach of the Gila River between Powers Butte and Gillespie Days and the TNW reach of the Gila River between Powers Butte and Gillespie Days and the TNW reach of the Gila River between Powers Butte and Gillespie Days and the TNW reach of the Gila River between Powers Butte and Gillespie Days and the TNW reach of the Gila River between Powers Butte and Gillespie Days and the TNW reach of the Gila River between Powers Butte and G | nd potential flood sence of a significant the TNW, suggests that the ous. No pollutants or ed ephemeral drainage es within the TNW. This ysical, chemical, and/or es not possess a significant |
| gnificant nexus findings for non-RPW and its adjacent wetlands, where the indirectly into TNW. Explain:  | non-RPW flows directly   |
| gnificant nexus findings for wetlands adjacent to an RPW but that do not di<br>ain:  | rectly abut the RPW.   |
| ERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLA   | ANDS ARE   |
| NWs and Adjacent Wetlands  |  |
| TNWs: Linear Feet Width (ft), Or, Wetlands adjacent to TNWs: Acres erved for Section III D 2 (RPWs):   | Acres  |
| on-RPWs that flow directly or indirectly into TNWs.  |  |
| Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:   | d has a signficant nexus   |
| erved for Section III D 4 (Wetlands directly abutting RPWs):   |  |
| served for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs  | s):  |
| Netlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |  |
| Wetland adjacent to non-RPWs which, in combination with the tributary and has a significant nexus with the TNW.  | other adjacent wetlands,   |
| Estimated size of jurisdictional wetland (in acres):   |  |
| mpoundments of jurisdictional waters.  |  |
|  |  |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 67A   |                      |                  |               |                                 |      |
|---|----------------------|------------------|---------------|---------------------------------|------|
| As described in Section 3C1 possess a significant nexus w | •                    |                  | meral draina  | ge determined that it did not   |      |
| Explain finding of Other:                                 |                      |                  |               |                                 |      |
| ✓ Non-wetland waters                                      | 750.99 lin           | ear feet (ft),   | 13.14         | width (ft)                      |      |
| $\square$ Other waters                                    | acı                  | res              |               |                                 |      |
| ☐ Wetlands  | acı                  | res              |               |                                 |      |
| SECTION IV: DATA SOURCES                                  |                      |                  |               |                                 |      |
| ✓ Maps, Plans, Plots or Pla                               | t Submitted by       | Applicant/Con    | sultant: W    | estLand Resources. Inc.         |      |
| ✓ Data Sheets Prepared/Su                                 | •                    | • •              |               |                                 |      |
| ☐ Office Concurs with d                                   |                      |                  |               |                                 |      |
| ☐ Office Does Not Conc                                    | ur with delineation  | n                |               |                                 |      |
| ☐ Data Sheets Prepared by                                 | the Corps            |                  |               |                                 |      |
| ☐ Corps Navigable Water S                                 | •                    |                  |               |                                 |      |
| ☐ US Geological Survey Hyd                                | drologic Atlas       |                  |               |                                 |      |
| USGS NHD Data   |                      |                  |               |                                 |      |
| $\Box$ USGS 8 and 12 digit $\Box$                         | HUC Map              |                  |               |                                 |      |
| _   |                      | Auad Namai       |               |                                 |      |
| ✓ US Geological Survey Ma                                 |                      |                  | Posa Mount    | tains NW 7.5-Minute Quadran     | gloc |
| Sliver Reel Mountain                                      | is se, North Konie   | ilk, allu Salita | KOSA IVIOUITI | tains ivvv 7.5-iviinute Quauran | gies |
| $\square$ USDA Nat'l Res Conserva                         | tion Service Soil S  | Survey Citat     | ion:          |                                 |      |
| National Wetlands Inven                                   | tory Maps Cite       | e Map Name:      |               |                                 |      |
| State/Local Wetland Inve                                  | entory Maps          |                  |               |                                 |      |
| FEMA/FIR Maps   |                      |                  |               |                                 |      |
| 100-year Floodplain Elev                                  |                      |                  | •             | Geodetic Vertical Datum of 19   | 929) |
| ✓ Aerial Photographs (Na                                  | •                    |                  |               | th 2008                         |      |
| ✓ Other Photographs (Na                                   | •                    |                  |               |                                 |      |
| Previous Determinations                                   |                      | •                | se Letter:    |                                 |      |
| Applicable/Supporting Ca                                  |                      |                  |               |                                 |      |
| Applicable/Supporting Sc                                  | cientific Literature | Citation:        |               |                                 |      |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORMATION   |  |                       |
|---|--|-----------------------|
| A. Report Completion Date for Approved Juris  | sdictional Determination: 07/30/2012                                   |                       |
| B. District Office and File No: Los Angeles Dis   | strict, File No. Pending   |                       |
| C. Project Location and Background Information  | on: Drainage Feature 68  |                       |
| City, County, State Sif Oidak District, Toho  | no O'odham Nation, Pima and Pinal Counties, A                          | rizona                |
| Center coordinates of site: Lat. 32.5073  | Long111.9100   |                       |
| Name of nearest waterbody: Unnamed Was  | sh 68  |                       |
| Name of nearest downstream TNW: Gila Riv  | ver between Powers Butte and Gillespie Dam                             |                       |
| HUC Code: 15050306  |  |                       |
| lacktriangledown Map/Diagram of potential jurisdictional ar   | ea is available on request   |                       |
| D. Review Performed for Site Evaluation:  |  |                       |
| Office Determination. Date:   |  |                       |
| Field Determination. Date: 05/2012  |  |                       |
| SECTION II: SUMMARY OF FINDINGS   |  |                       |
| A. RHA Section 10 Determination of Jurisdict  | cion   |                       |
| There Are No "navigable waters of the U.S   | ." within RHA jurisdiction in the review area.                         |                       |
| B. CWA Section 404 Determination of Jurisdi   | iction   |                       |
| There Are No "waters of the U.S." wit   | hin CWA jurisdiction in the review area.                               |                       |
| 1. Waters of the US:  |  |                       |
| Linear Feet   | Width (ft) and/or Acres  |                       |
| Limits of Jurisdiction based on:  |  |                       |
| <ol> <li>Non-Regulated Waters/Wetlands:</li> <li>✓ Potentially jurisdictional waters and/o</li> </ol> | r wetlands were assessed and determined not t                          | to be jurisdictional: |
| Drainage is a small, relic wash with no under the 2008 Guidance.                                      | hydrologic function, generally not considered                          | urisdictional         |
| SECTION III: CWA ANALYSIS   |  |                       |
| A. TNWs AND WETLANDS ADJACENT TO TNV  | Vs   |                       |
| 1. Identified TNW:  |  |                       |
| Rationale for TNW determination:  |  |                       |
| 2. Rationale for conclusion that any wetla  | ands present are "adjacent":   |                       |
| B. CHARACTERISTICS OF NON-TNW TRIBUTA   | RY AND ITS ADJACENT WETLANDS   |                       |
| TNW Watershed Size (sq mi): 49650   | Tributaries flow to TNW:   | 4                     |
| Drainage Area (sq mi): 0.00024  | River Miles from tributary to TNW:                                     | 30 (or more)          |
| Average Annual Rainfall (in): 8.5  Average Annual Snowfall (in): 0                                    | River Miles from tributary to RPW: Aerial Miles from tributary to TNW: | 30 (or more)          |
| Average Annual Showrall (III).  | Aerial Miles from tributary to TNW:                                    | 50 (01 111016)        |
| ☐ Project waters cross or serve as state b  | •  |                       |

Feature ID: 68

| •   | arent pa<br>ı. Topog      | raphy sug                          | •                                  | •            | •            | ithin the watershed of<br>s Santa Rosa Wash to |
|---|---------------------------|------------------------------------|------------------------------------|--------------|--------------|--|
| Tributary is: Natural   |                           | Explain:                           |                                    |              |              |  |
| Average Width (ft):   | 10.23                     |                                    |                                    |              |              |  |
| Average Depth (ft):   | 1                         |                                    |                                    |              |              |  |
|   |                           |                                    |                                    |              |              |  |
| Average Side Slopes: Primary tributary sub                        |                           | rompositio                         | on (check all                      | that apply): |              |  |
| Primary tributary sub  Silts  Sands                               | ostrate o                 | composition<br>Cobbles<br>Other, I | ☐ Bedro                            |              | □ Vegetatio  | n  |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N             | ostrate d<br>S   Muck     | Cobbles Other, I                   | ☐ Bedro                            |              | □ Vegetatio  | n  |
| Primary tributary sub  Silts  Sands                               | ostrate o  Muck Stability | Cobbles Other, I                   | ☐ Bedro  Explain:  Stable          |              | □ Vegetation | n  |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/ | ostrate of Stability      | Cobbles Other, I                   | Bedro Explain:  Stable s. Explain: | ck ☑ Gravel  | □ Vegetatio  | n  |

| (c) Flow:                        |                      |   |           |             |           |                   |
|----------------------------------|----------------------|---|-----------|-------------|-----------|-------------------|
| Tributary Provides for:          | Ephemeral Flow       | Average                                   | Flow Eve  | ents per ye | ear:      | 2-5               |
| Describe Flow Regime:            | Ephemeral            | Other Information on Duration and Volume: |           |             |           |                   |
| Surface Flow is:                 | Confined             | Characte                                  | ristics:  |             |           |                   |
| Subsurface Flow:                 | No                   | Explain:                                  |           |             |           |                   |
| Tributary Has:                   |                      |   |           |             |           |                   |
| ☐ Bed and Banks ☑ OHWM: OHWM Inc | licators:            |   |           |             |           |                   |
|                                  | mpressed on the bank | $\Box$                                    | /egetatio | on matted   | down.     | bent or absent    |
| ✓ Changes in soil cha            | •                    |   | -         |             |           | shed away         |
| ☐ Shelving                       |                      |   |           | of litter a |           | •                 |
| ☐ Sediment deposition            | on                   | <b>✓</b> [                                | Destructi | on of terr  | estrial v | regetation        |
| ✓ Sediment sorting               |                      |   |           | nange in p  |           |                   |
| ☐ Scour                          |                      |   | •         |             |           | icted flow events |
| ☐ Presence of wrack              | line                 | □ \( \bullet \)                           | Vater st  | aining      | ·         |                   |
| Other (list):                    |                      |   |           |             |           |                   |
| ☐ Discontinuous? Ex              | plain:               |   |           |             |           |                   |
| (iii) Chemical Characteris       | tics:                |   |           |             |           |                   |
| Characterize Tributar            | γ:                   |   |           |             |           |                   |
| Identify Specific Pollu          | •                    |   |           |             |           |                   |
|                                  |                      |   |           |             |           |                   |
|                                  |                      |   |           |             |           |                   |
|                                  |                      |   |           |             |           |                   |
|                                  |                      |   |           |             |           |                   |

| Feature ID: 68  |            |
|---|------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                     |            |
| Riparian Corridor Characteristics:  |            |
| ☐ Wetland Fringe Characteristics:   |            |
| Habitat for:  |            |
| ☐ Federally Listed Species Explain:   |            |
| ☐ Fish/Spawn Areas Explain:   |            |
| ☐ Other environmentally -sensitive species Explain:   |            |
| ☐ Aquatic/Wildlife diversity Explain:   |            |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                  |            |
| (i) Physical Characteristics:   |            |
| Wetland Size (ac): Wetland Type, Explain:   |            |
| Wetland Quality, Explain:   |            |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |            |
| Wetland Flow is: Explain:   |            |
| Surface Flow is: Characteristics:   |            |
| Subsurface Flow: Explain Findings:  |            |
| ☐ Wetland Directly Abutting Non-TNW   |            |
| ☐ Wetland Not Directly Abutting Non-TNW   |            |
| ☐ Discrete wetland hydrologic connection Explain:   |            |
| ☐ Ecologcal connection Explain:   |            |
| ☐ Separated by berm/barrier Explain:  |            |
| Project Wetlands: River Miles from TNW:   |            |
| Project Wetlands: Aerial Miles from TNW:  |            |
| Flow is From:   |            |
| Approximate Location of Wetland within Floodplain:  |            |
| (ii) Chemical Characteristics:  |            |
| Characterize Wetland System:  |            |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                    |            |
| ☐ Riparian Buffer Explain:  |            |
| ☐ Vegetation type/percent cover. Explain:   |            |
| Habitat for:  |            |
| ☐ Federally Listed Species Explain:   |            |
| ☐ Fish/Spawn Areas Explain:   |            |
| Other environmentally-sensitive species Explain:  |            |
| ☐ Aquatic/Wildlife Diversity Explain:   |            |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                 |            |
| All wetland(s) considered in cumulative analysis:   |            |
| Wetland acres in total being considered in cumulative analysis:   |            |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical for | unctions): |
|   |            |
|   |            |
|   |            |

| . SIGNIFICANT NEXUS DETE   | RMINATION  |   |  |   |
|--|--|---|--|---|
| 1. Significant nexus finding into TNW. Explain:  | gs for non-RPW that has no a   | djacent wetlands  | and flows dire                                   | ctly or indirectly                          |
| 2. Significant nexus finding or indirectly into TNW. Ex  | gs for non-RPW and its adjace<br>plain:  | ent wetlands, whe   | ere the non-RP                                   | W flows directly                            |
| 3. Significant nexus finding Explain:  | gs for wetlands adjacent to a  | n RPW but that do   | not directly a                                   | but the RPW.                                |
|  |  |   | <i>t</i>   |   |
|  | ISDICTIONAL FINDINGS. THE  | SUBJECT WATERS  | /WETLANDS A                                      | RE  |
| 1. TNWs and Adjacent We  |  |   |  |   |
| _  | Linear Feet  | Width (ft), Or,   |  | Acres                                       |
| Wetlands adjacent to   |  |   |  |   |
| Reserved for Section III D 2   | ! (RPWs):  |   |  |   |
| 3. Non-RPWs that flow dir  | rectly or indirectly into TNWs   | •   |  |   |
| ☐ Non-TNW/non-RPW wa<br>with a TNW, and is the   | aterbody that flows directly or<br>rfore jurisdictional.   | r indirectly into a T   | 「NW and has a                                    | signficant nexus                            |
| Length (Linear Feet):  | Width (feet):  | Acr   | es:  |   |
| Reserved for Section III D   | 4 (Wetlands directly abutting  | RPWs):  |  |   |
| Reserved for Section III D   | 5 (Wetlands adjacent to but n  | ot directly abuttir   | g RPWs):   |   |
| 6. Wetlands adjacent to r  | non-RPWs that flow directly o  | r indirectly into T   | NWs.   |   |
| $\square$ Wetland adjacent to n  | on-RPWs which, in combination  | on with the tributa   | ary and other a                                  | djacent wetlands,                           |
| has a significant nexus  | with the TNW.  |   |  |   |
| Estimated size of jurison  | dictional wetland (in acres):  |   |  |   |
| 7. Impoundments of juris   | dictional waters.  |   |  |   |
| podiraments or juns  |  |   |  |   |
| Demonstration of Juris   | sdiction:  |   |  | TRUCTION OF                                 |
| Demonstration of Juris   | DING ISOLATED WETLANDS,  | THE USE, DEGRAD   | ATION OR DES                                     | STRUCTION OF                                |
| Demonstration of Juris  I ISOLATED WATERS, INCLU WHICH COULD AFFECT INTER  | DING ISOLATED WETLANDS,  | THE USE, DEGRAD   | OATION OR DES                                    | STRUCTION OF                                |
| Demonstration of Juris   | DING ISOLATED WETLANDS,  | THE USE, DEGRAD   | OATION OR DES                                    | STRUCTION OF                                |
| Demonstration of Juris  E. ISOLATED WATERS, INCLU WHICH COULD AFFECT INTER  Supporting rationale: Length (linear feet):  | Acres:   |   | OATION OR DES                                    | STRUCTION OF                                |
| Demonstration of Juris  E. ISOLATED WATERS, INCLU WHICH COULD AFFECT INTER  Supporting rationale: Length (linear feet):  | Acres:   |   | OATION OR DES                                    | STRUCTION OF                                |
| Demonstration of Juris  I. ISOLATED WATERS, INCLU WHICH COULD AFFECT INTER  Supporting rationale: Length (linear feet):  F. NON-JURISDICTIONAL WA  | Acres:   |   | OATION OR DES                                    | STRUCTION OF                                |
| Demonstration of Juris  I. ISOLATED WATERS, INCLU WHICH COULD AFFECT INTER  Supporting rationale: Length (linear feet):  I. NON-JURISDICTIONAL WATERS  Non-Jurisdictional Waters   | Acres:  ACRES, INCLUDING WETLANDS  SECOND SE |   | OATION OR DES                                    | STRUCTION OF                                |
| Demonstration of Juris  E. ISOLATED WATERS, INCLU WHICH COULD AFFECT INTER  Supporting rationale: Length (linear feet):  F. NON-JURISDICTIONAL WATERS  Non-Jurisdictional Waters  Other  | Acres:  ACRES, INCLUDING WETLANDS  SECOND SE |   | OATION OR DES                                    | STRUCTION OF                                |
| Demonstration of Juris  E. ISOLATED WATERS, INCLU WHICH COULD AFFECT INTER  Supporting rationale: Length (linear feet):  E. NON-JURISDICTIONAL WATERS  Other Explain finding of no Signi Explain finding of Other:  Drainage is a small, relic value of the support o | Acres:  Acres: | ion, generally not  | considered jur                                   | isdictional under the<br>ohemeral drainages |
| Demonstration of Juris  E. ISOLATED WATERS, INCLU WHICH COULD AFFECT INTER  Supporting rationale: Length (linear feet):  E. NON-JURISDICTIONAL WATERS  Non-Jurisdictional Waters  Other Explain finding of no Signi  Explain finding of Other:  Drainage is a small, relic was 2008 Guidance. Downgra in the Analysis Area deter   | Acres:  Acres: | ion, generally not<br>this feature would<br>nexus with the do | considered jur<br>enter other e<br>wngradient TN | isdictional under the<br>ohemeral drainages |
| Demonstration of Juris  E. ISOLATED WATERS, INCLU WHICH COULD AFFECT INTER  Supporting rationale: Length (linear feet):  E. NON-JURISDICTIONAL WATERS  Other Explain finding of no Signi Explain finding of Other:  Drainage is a small, relic value of the support o | Acres:  Acres: | ion, generally not<br>this feature would<br>nexus with the do | considered jur<br>enter other e<br>wngradient TN | isdictional under the<br>ohemeral drainages |

| Feature ID: 68                            |                       |                          |
|---|-----------------------|--------------------------|
| SECTION IV: DATA SOURCES                  |                       |                          |
| ✓ Maps, Plans, Plots or Plat Submitted by | Applicant/Consultant: | WestLand Resources, Inc. |
|   | 16 6                  |                          |

| ECTIO    | ON IV: DATA SOURCES   |
|----------|---|
| <b>✓</b> | Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.      |
| <b>✓</b> | Data Sheets Prepared/Submitted on behalf of Applicant                                       |
|          | Office Concurs with delineation   |
|          | Office Does Not Concur with delineation   |
|          | Data Sheets Prepared by the Corps   |
|          | Corps Navigable Water Study   |
|          | US Geological Survey Hydrologic Atlas   |
|          | ☐ USGS NHD Data   |
|          | ☐ USGS 8 and 12 digit HUC Map   |
| <b>~</b> | US Geological Survey Map(s) Scale and Quad Name:  |
| •        | Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles |
|          | Silver Reer Mountains 3L, North Romeirk, and Santa Rosa Mountains NW 7.5-Minute Quadrangles |
|          | USDA Nat'l Res Conservation Service Soil Survey Citation:                                   |
|          | National Wetlands Inventory Maps Cite Map Name:   |
|          | State/Local Wetland Inventory Maps  |
|          | FEMA/FIR Maps   |
|          | 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)                |
| <b>✓</b> | Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008                      |
| <b>✓</b> | Other Photographs (Name and Date): Ground Photos; May 2012                                  |
|          | Previous Determinations File No. and Date of Response Letter:                               |
|          | Applicable/Supporting Case Law Citation:  |
|          | Applicable/Supporting Scientific Literature Citation:                                       |
|          | Other Information, Please Specify:  |
| A        | dditional Comments to Support JD:   |
|          |   |
|          |   |
|          |   |
|          |   |
|          |   |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>     |                      |                                  |             |                       |
|---|-------------------|----------------------|----------------------------------|-------------|-----------------------|
| A. Report Completion Date for App   | oroved Jurisdic   | tional Determination | on: 07/30/2                      | 012         |                       |
| B. District Office and File No: Los   | Angeles Distri    | ct, File No. Pending |                                  |             |                       |
| C. Project Location and Background  | d Information:    | Drainage Featur      | e 69                             |             |                       |
| City, County, State Sif Oidak Dis   | strict, Tohono    | O'odham Nation, P    | ima and Pinal                    | Counties, A | Arizona               |
| Center coordinates of site: Lat.  | 32.5073           | Long111.             | 9100                             |             |                       |
| Name of nearest waterbody: Un   | named Wash 6      | 59                   |                                  |             |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River     | between Powers B     | utte and Gilles                  | pie Dam     |                       |
| ✓ Map/Diagram of potential juris  | dictional area    | is available on requ | iest                             |             |                       |
| D. Review Performed for Site Evalu  | ation:            |                      |                                  |             |                       |
| Office Determination. Date:   |                   |                      |                                  |             |                       |
| Field Determination. Date: 05/2   | 2012              |                      |                                  |             |                       |
| SECTION II: SUMMARY OF FINDING  | GS                |                      |                                  |             |                       |
| A. RHA Section 10 Determination   |                   |                      |                                  |             |                       |
| There Are No "navigable waters  | s of the U.S." v  | vithin RHA jurisdict | ion in the revie                 | ew area.    |                       |
| B. CWA Section 404 Determination  | n of Jurisdiction | on                   |                                  |             |                       |
| There Are No "waters of the   | ne U.S." within   | CWA jurisdiction in  | n the review ar                  | ea.         |                       |
| 1. Waters of the US:  |                   |                      |                                  |             |                       |
| Linear Feet   |                   | Width (ft) and/or    |                                  | Acres       |                       |
| Limits of Jurisdiction based on:  |                   |                      |                                  |             |                       |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa                        |                   | etlands were asses   | sed and deterr                   | nined not t | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a    | significant nexus w  | -                                | •           | •                     |
| SECTION III: CWA ANALYSIS   |                   |                      |                                  |             |                       |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs       |                      |                                  |             |                       |
| 1. Identified TNW:  |                   |                      |                                  |             |                       |
| Rationale for TNW determinat  | ion:              |                      |                                  |             |                       |
| 2. Rationale for conclusion tha   | t any wetland     | s present are "adja  | cent":                           |             |                       |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY       | AND ITS ADJACENT     | WETLANDS                         |             |                       |
| TNW Watershed Size (sq mi):   | 49650             |                      | low to TNW:                      |             | 4                     |
| Drainage Area (sq mi):  | 0.00061<br>8.5    |                      | from tributary                   |             | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 0                 |                      | from tributary<br>from tributary |             | 30 (or more)          |
| , were get initial showing (III).   | •                 |                      | from tributary                   |             | 55 (5. 111512)        |
| ☐ Project waters cross or serv  | ve as state bou   | ndaries. Explain     | :                                |             |                       |

Feature ID: 69

| ature ID: 69           |  |               |   |
|------------------------|--|---------------|---|
| Identify flow route to | TNW:                                     |               |   |
| _                      |  | •             | e ultimately tributary to the Santa Rosa Wash. Topograph<br>is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural  | Ехр                                      | lain:         |   |
| Average Width (ft):    | 10.73                                    |               |   |
| Average Depth (ft):    | 1  |               |   |
| Average Side Slopes:   | 2:1                                      |               |   |
| Primary tributary sub  | •  | •             | rock ☑ Gravel ☐ Vegetation  |
| ✓ Silts ☐ Sands        |  | har Evalain.  |   |
|                        |  | her, Explain: |   |
|                        | Muck Ot                                  |               |   |
| ☐ Concrete ☐ I         | Muck Ot<br>Stability. Exp                | lain: Stable  | Not Present   |
| ☐ Concrete ☐ I         | Muck Ot<br>Stability. Exp<br>le/Pool Com | lain: Stable  | Not Present   |

| (c) Flow:                  |                      |                                   |   |              |            |                  |   |
|----------------------------|----------------------|-----------------------------------|---|--------------|------------|------------------|---|
| Tributary Provides for:    | Ephemeral Flow       | Average Flow Events per year: 2-5 |   |              |            |                  |   |
| Describe Flow Regime:      | Ephemeral            | Other Inf                         | Other Information on Duration and Volume: |              |            |                  |   |
| Surface Flow is:           | Confined             | Characte                          | ristics:                                  |              |            |                  |   |
| Subsurface Flow:           | No                   | Explain:                          |   |              |            |                  |   |
| Tributary Has:             |                      |                                   |   |              |            |                  |   |
| ☐ Bed and Banks            |                      |                                   |   |              |            |                  |   |
| ✓ OHWM: OHWM Inc           | dicators:            |                                   |   |              |            |                  |   |
| ☐ Clear, natural line i    | mpressed on the bank | :                                 | /egetati                                  | on matted    | down, b    | ent or absent    |   |
| ✓ Changes in soil cha      | racter               | □ L                               | eaf litte.                                | r disturbed  | l or wasl  | ned away         |   |
| ☐ Shelving                 |                      | □ F                               | resence                                   | of litter a  | nd debri   | S                |   |
| ☐ Sediment deposition      | on                   | ✓ [                               | Destruct                                  | ion of terre | estrial ve | getation         |   |
| ✓ Sediment sorting         |                      |                                   | Abrupt c                                  | hange in pl  | ant com    | munity           |   |
| ☐ Scour                    |                      |                                   | Multiple                                  | observed o   | or predic  | cted flow events | 5 |
| ☐ Presence of wrack        | line                 | _ \                               | Vater st                                  | aining       |            |                  |   |
| Other (list):              |                      |                                   |   |              |            |                  |   |
| ☐ Discontinuous? Ex        | xplain:              |                                   |   |              |            |                  |   |
| (iii) Chemical Characteris | tics:                |                                   |   |              |            |                  |   |
| Characterize Tributa       | ry:                  |                                   |   |              |            |                  |   |
| Identify Specific Poll     |                      |                                   |   |              |            |                  |   |
|                            |                      |                                   |   |              |            |                  |   |
|                            |                      |                                   |   |              |            |                  |   |
|                            |                      |                                   |   |              |            |                  |   |
|                            |                      |                                   |   |              |            |                  |   |

| Feature ID: 69  |           |
|---|-----------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                     |           |
| Riparian Corridor Characteristics:  |           |
| ☐ Wetland Fringe Characteristics:   |           |
| Habitat for:  |           |
| ☐ Federally Listed Species Explain:   |           |
| ☐ Fish/Spawn Areas Explain:   |           |
| ☐ Other environmentally -sensitive species Explain:   |           |
| ☐ Aquatic/Wildlife diversity Explain:   |           |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                  |           |
| (i) Physical Characteristics:   |           |
| Wetland Size (ac): Wetland Type, Explain:   |           |
| Wetland Quality, Explain:   |           |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |           |
| Wetland Flow is: Explain:   |           |
| Surface Flow is: Characteristics:   |           |
| Subsurface Flow: Explain Findings:  |           |
| ☐ Wetland Directly Abutting Non-TNW   |           |
| ☐ Wetland Not Directly Abutting Non-TNW   |           |
| ☐ Discrete wetland hydrologic connection Explain:   |           |
| ☐ Ecologcal connection Explain:   |           |
| ☐ Separated by berm/barrier Explain:  |           |
| Project Wetlands: River Miles from TNW:   |           |
| Project Wetlands: Aerial Miles from TNW:  |           |
| Flow is From:   |           |
| Approximate Location of Wetland within Floodplain:  |           |
| (ii) Chemical Characteristics:  |           |
| Characterize Wetland System:  |           |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                    |           |
|   |           |
| ☐ Riparian Buffer Explain: ☐ Vegetation type/percent cover. Explain:  |           |
| Habitat for:  |           |
| Federally Listed Species Explain:   |           |
| ☐ Fish/Spawn Areas Explain:   |           |
| ☐ Other environmentally-sensitive species Explain:  |           |
| ☐ Aquatic/Wildlife Diversity Explain:   |           |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                 |           |
| All wetland(s) considered in cumulative analysis:   |           |
| Wetland acres in total being considered in cumulative analysis:   |           |
|   | actions). |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fur | ictions): |
|   |           |
|   |           |

| . SIGNIFICANT NEXUS DETERMINATION   |   |
|---|---|
| 1. Significant nexus findings for non-RPW that into TNW. Explain:   | has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gillespie Dam. An a discharges, in combination with the geomorphodownstream manmade impoundment (Tat Morpossibility of a hydrologic connection between critical habitats were identified within the Analdoes not provide lifecycle support functions, nudrainage does not have more than a speculative   | nore than 100 river miles from the nearest TNW, the Gila River analysis of peak yearly discharges and potential flood ology of the Analysis Area, the presence of a significant molikot Dam), and the distance to the TNW, suggests that the this drainage and the TNW is tenuous. No pollutants or ysis Area. Additionally, this unnamed ephemeral drainage utrients, or organic carbon to species within the TNW. This is or insubstantial effect on the physical, chemical, and/or unnamed ephemeral drainage does not possess a significant tween Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for non-RPW and or indirectly into TNW. Explain:  | its adjacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for wetlands adjacent explain:  | cent to an RPW but that do not directly abut the RPW.   |
| •   |   |
| . DETERMINATIONS OF JURISDICTIONAL FINDIN   | NGS THE SUBJECT WATERS/WETLANDS ARE   |
| 1. TNWs and Adjacent Wetlands   | 103. THE SUBJECT WATERS, WETEANDS ARE   |
| _   |   |
| ☐ TNWs: Linear Feet   | Width (ft), Or, Acres   |
|   |   |
| •   | Acres   |
| Wetlands adjacent to TNWs:  Reserved for Section III D 2 (RPWs):  | Acres   |
|   |   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly in   |   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly in Non-TNW/non-RPW waterbody that flows of with a TNW, and is therfore jurisdictional.   | nto TNWs.   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly in Non-TNW/non-RPW waterbody that flows of with a TNW, and is therfore jurisdictional.   | nto TNWs.  directly or indirectly into a TNW and has a signficant nexus  n (feet):  Acres:  |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly in Non-TNW/non-RPW waterbody that flows of with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width  | nto TNWs.  directly or indirectly into a TNW and has a signficant nexus  (feet): Acres:   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly in Non-TNW/non-RPW waterbody that flows with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width Reserved for Section III D 4 (Wetlands directly Reserved for Section III D 5 (Wetlands adjacen  | nto TNWs.  directly or indirectly into a TNW and has a signficant nexus  (feet):  abutting RPWs):  at to but not directly abutting RPWs):   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly in Non-TNW/non-RPW waterbody that flows owith a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width Reserved for Section III D 4 (Wetlands directly Reserved for Section III D 5 (Wetlands adjacent to non-RPWs that flow Wetland adjacent to non-RPWs which, in contractions in the section of the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section of the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section of the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section of the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section of the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section III D 5 (Wetlands adjacent to non-RPWs which, in contractions in the section III D 5 (Wetlands adjacent to non-RPWs which, in | nto TNWs.  directly or indirectly into a TNW and has a signficant nexus  (feet): Acres:  abutting RPWs):  at to but not directly abutting RPWs):  |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly in Non-TNW/non-RPW waterbody that flows with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width Reserved for Section III D 4 (Wetlands directly Reserved for Section III D 5 (Wetlands adjacent 6. Wetlands adjacent to non-RPWs that flow wetland adjacent to non-RPWs which, in contact the significant nexus with the TNW.   | nto TNWs.  directly or indirectly into a TNW and has a signficant nexus  (feet): Acres:  abutting RPWs):  at to but not directly abutting RPWs):  directly or indirectly into TNWs.  combination with the tributary and other adjacent wetlands,  |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly in Non-TNW/non-RPW waterbody that flows of with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width Reserved for Section III D 4 (Wetlands directly Reserved for Section III D 5 (Wetlands adjacent 6. Wetlands adjacent to non-RPWs that flow wetland adjacent to non-RPWs which, in contact has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in  | nto TNWs.  directly or indirectly into a TNW and has a signficant nexus  (feet): Acres:  abutting RPWs):  at to but not directly abutting RPWs):  directly or indirectly into TNWs.  combination with the tributary and other adjacent wetlands,  |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly in Non-TNW/non-RPW waterbody that flows owith a TNW, and is therfore jurisdictional. Length (Linear Feet): Width Reserved for Section III D 4 (Wetlands directly Reserved for Section III D 5 (Wetlands adjacent to Non-RPWs that flow Wetlands adjacent to non-RPWs which, in contact a significant nexus with the TNW. Estimated size of jurisdictional wetland (in 7. Impoundments of jurisdictional waters.  | nto TNWs.  directly or indirectly into a TNW and has a signficant nexus  (feet): Acres:  abutting RPWs):  at to but not directly abutting RPWs):  directly or indirectly into TNWs.  combination with the tributary and other adjacent wetlands,  |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly in Non-TNW/non-RPW waterbody that flows owith a TNW, and is therfore jurisdictional. Length (Linear Feet): Width Reserved for Section III D 4 (Wetlands directly Reserved for Section III D 5 (Wetlands adjacent to non-RPWs that flow wetlands adjacent to non-RPWs which, in contact a significant nexus with the TNW. Estimated size of jurisdictional wetland (in 7. Impoundments of jurisdictions:  | directly or indirectly into a TNW and has a signficant nexus  (feet): Acres: abutting RPWs): at to but not directly abutting RPWs): directly or indirectly into TNWs. combination with the tributary and other adjacent wetlands, acres):   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly in Non-TNW/non-RPW waterbody that flows owith a TNW, and is therfore jurisdictional. Length (Linear Feet): Width Reserved for Section III D 4 (Wetlands directly Reserved for Section III D 5 (Wetlands adjacen 6. Wetlands adjacent to non-RPWs that flow Wetland adjacent to non-RPWs which, in chas a significant nexus with the TNW. Estimated size of jurisdictional wetland (in 7. Impoundments of jurisdictional waters. Demonstration of Jurisdiction:   | directly or indirectly into a TNW and has a signficant nexus  (feet):  abutting RPWs):  It to but not directly abutting RPWs):  directly or indirectly into TNWs.  combination with the tributary and other adjacent wetlands,  acres):  TLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly in Non-TNW/non-RPW waterbody that flows owith a TNW, and is therfore jurisdictional. Length (Linear Feet): Width Reserved for Section III D 4 (Wetlands directly Reserved for Section III D 5 (Wetlands adjacent to non-RPWs that flow wetlands adjacent to non-RPWs which, in contact a significant nexus with the TNW. Estimated size of jurisdictional wetland (in 7. Impoundments of jurisdictions:  | directly or indirectly into a TNW and has a significant nexus  (feet): Acres: abutting RPWs): at to but not directly abutting RPWs): directly or indirectly into TNWs. combination with the tributary and other adjacent wetlands, acres):  TLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly in Non-TNW/non-RPW waterbody that flows owith a TNW, and is therfore jurisdictional. Length (Linear Feet): Width Reserved for Section III D 4 (Wetlands directly Reserved for Section III D 5 (Wetlands adjacen 6. Wetlands adjacent to non-RPWs that flow Wetland adjacent to non-RPWs which, in chas a significant nexus with the TNW. Estimated size of jurisdictional wetland (in 7. Impoundments of jurisdictional waters. Demonstration of Jurisdiction:   | directly or indirectly into a TNW and has a significant nexus  (feet): Acres: abutting RPWs): at to but not directly abutting RPWs): directly or indirectly into TNWs. combination with the tributary and other adjacent wetlands, acres):  TLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly in Non-TNW/non-RPW waterbody that flows owith a TNW, and is therfore jurisdictional. Length (Linear Feet): Width Reserved for Section III D 4 (Wetlands directly Reserved for Section III D 5 (Wetlands adjacen 6. Wetlands adjacent to non-RPWs that flow Wetland adjacent to non-RPWs which, in chas a significant nexus with the TNW. Estimated size of jurisdictional wetland (in 7. Impoundments of jurisdictional waters. Demonstration of Jurisdiction:  ISOLATED WATERS, INCLUDING ISOLATED WET WHICH COULD AFFECT INTERSTATE COMMERCE   | directly or indirectly into a TNW and has a signficant nexus  (feet): Acres: abutting RPWs): at to but not directly abutting RPWs): directly or indirectly into TNWs. combination with the tributary and other adjacent wetlands, acres):  TLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 69  |  |
|---|--|
| As described in Section 3C possess a significant nexus  | 1 above, an analysis of this ephemeral drainage determined that it did not with the nearest TNW.                                     |
| Explain finding of Other:   |  |
| <ul><li>Non-wetland waters</li><li>Other waters</li></ul>   | 1596.47 linear feet (ft), 10.73 width (ft) acres   |
| ☐ Wetlands  | acres  |
| SECTION IV: DATA SOURCES  |  |
| ✓ Data Sheets Prepared/  ☐ Office Concurs with  | lat Submitted by Applicant/Consultant: WestLand Resources, Inc.  Submitted on behalf of Applicant delineation  neur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Water</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit</li> </ul> | Study<br>lydrologic Atlas  |
|   | Map(s) Scale and Quad Name: sins SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                               |
| ☐ USDA Nat'l Res Conser   | vation Service Soil Survey Citation:   |
| ☐ National Wetlands Inve  |  |
| <ul><li>☐ FEMA/FIR Maps</li><li>☐ 100-year Floodplain Element</li></ul>   | evation is: (National Geodetic Vertical Datum of 1929)   |
|   | Name and Date): BING, Microsoft Virtual Earth 2008   |
| Other Photographs (I  | Name and Date): Ground Photos; May 2012  |
| ☐ Previous Determinatio   | ns File No. and Date of Response Letter:   |
| Applicable/Supporting   |  |
| ☐ Applicable/Supporting   |  |
| Other Information, Ple  | ase Specify:   |

Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  |                  |                          |  |                       |
|---|------------------|--------------------------|--|-----------------------|
| A. Report Completion Date for App   |                  |                          | 07/30/2012                             |                       |
| B. District Office and File No: Los   |                  | -                        |  |                       |
| C. Project Location and Background  |                  |                          |  |                       |
| •   |                  | D'odham Nation, Pima     |  | Arizona               |
| Center coordinates of site: Lat.  |                  | Long111.9100             |  |                       |
| Name of nearest waterbody: Uni  | named Wash 6     | A                        |  |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                  | V: Gila River    | between Powers Butte     | and Gillespie Dam                      |                       |
| ✓ Map/Diagram of potential jurise   | dictional area i | s available on request   |  |                       |
| D. Review Performed for Site Evalu  | ation:           |                          |  |                       |
| Office Determination. Date:   |                  |                          |  |                       |
| Field Determination. Date: 05/2   | 2012             |                          |  |                       |
| SECTION II: SUMMARY OF FINDING  | GS               |                          |  |                       |
| A. RHA Section 10 Determination   |                  |                          |  |                       |
| There Are No "navigable waters  | of the U.S." w   | ithin RHA jurisdiction i | n the review area.                     |                       |
| B. CWA Section 404 Determination  | n of Jurisdictio | n                        |  |                       |
| There Are No "waters of the   | e U.S." within   | CWA jurisdiction in the  | review area.                           |                       |
| 1. Waters of the US:  |                  |                          |  |                       |
| Linear Feet   |                  | Width (ft) and/or        | Acres                                  |                       |
| Limits of Jurisdiction based on:  |                  |                          |  |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                  | etlands were assessed a  | and determined not                     | to be jurisdictional: |
| Drainage is ephemeral and   | does not quali   | fy as a TNW or RPW. T    | herefore, this draina                  | ge could only be      |
| considered jurisdictional if not possess a significant ne                             | it possessed a   | significant nexus with a |  | •                     |
| SECTION III: CWA ANALYSIS   |                  |                          |  |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs       |                          |  |                       |
| 1. Identified TNW:  |                  |                          |  |                       |
| Rationale for TNW determinat  | ion:             |                          |  |                       |
| 2. Rationale for conclusion tha   | t any wetlands   | present are "adjacent    | ":                                     |                       |
| B. CHARACTERISTICS OF NON-TN\   | V TRIBUTARY      | AND ITS ADJACENT WE      | ΓLANDS                                 |                       |
| TNW Watershed Size (sq mi):   | 49650            | Tributaries flow         |  | 4                     |
| Drainage Area (sq mi):  | 0.00102          |                          | tributary to TNW:                      | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                           | 8.5<br>0         |                          | tributary to RPW:  n tributary to TNW: | 30 (or more)          |
| Average Ailliudi Silowidii (III).   | U                |                          | tributary to TNW.                      | 30 (OF THOLE)         |
|   |                  | Actial Miles II Off      | i tributary to itr vv.                 |                       |

Feature ID: 6A

| Identify flow route to   | TNW:   |                     |                                    |                |      |                   |          |  |  |
|--|--|---------------------|------------------------------------|----------------|------|-------------------|----------|--|--|
| Unnamed drainages v<br>suggests the most lik<br>River.                       |  | •                   |                                    | •              |      |                   |          |  |  |
| Tributary is: Natural  |  | Explain:            |                                    |                |      |                   |          |  |  |
| Average Width (ft):  | 5.45   |                     |                                    |                |      |                   |          |  |  |
| Average Depth (ft):  | 1  |                     |                                    |                |      |                   |          |  |  |
|  |  |                     |                                    |                |      |                   |          |  |  |
| Average Side Slopes:<br>Primary tributary sub                                |  | compositio          | on (check al                       | l that apply): |      |                   |          |  |  |
| Primary tributary sub  ☑ Silts ☐ Sands                                       | ostrate o  | Cobbles             | ☐ Bedro                            |                |      | □ Ve <sub>8</sub> | getation |  |  |
| Primary tributary sub  ✓ Silts □ Sands                                       | ostrate o  | ·                   | ☐ Bedro                            |                |      | □ Veg             | getation |  |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                        | ostrate o  | Cobbles<br>Other, E | ☐ Bedro                            |                |      | □ Veg             | getation |  |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Fributary Condition/S | ostrate o  Muck Stability  | Cobbles Other, E    | ☐ Bedro                            |                | avel | □ Veg             | getation |  |  |
| Primary tributary sub  ☑ Silts ☐ Sands                                       | ostrate of the state of the sta | Cobbles Other, E    | Bedro Explain:  Stable s. Explain: | ock 🗹 Gr       | avel | □ Veg             | getation |  |  |

| (c) Flow:                  |                       |   |                  |                |                    |  |
|----------------------------|-----------------------|---|------------------|----------------|--------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average                                   | Flow Events      | per year:      | 2-5                |  |
| Describe Flow Regime:      | Ephemeral             | Other Information on Duration and Volume: |                  |                |                    |  |
| Surface Flow is:           | Confined              | Characte                                  | Characteristics: |                |                    |  |
| Subsurface Flow:           | No                    | Explain:                                  |                  |                |                    |  |
| Tributary Has:             |                       |   |                  |                |                    |  |
|                            |                       |   |                  |                |                    |  |
| ✓ OHWM: OHWM Inc           | dicators:             |   |                  |                |                    |  |
|                            | impressed on the bank | □ V                                       | egetation m      | natted down,   | bent or absent     |  |
| Changes in soil changes    | •                     |   | · ·              | turbed or wa   |                    |  |
| ☐ Shelving                 |                       | □ P                                       | resence of I     | itter and dek  | oris               |  |
| ☐ Sediment depositi        | on                    |   | estruction o     | of terrestrial | vegetation         |  |
| Sediment sorting           |                       |   | brupt chang      | ge in plant co | mmunity            |  |
| ☐ Scour                    |                       |   | Aultiple obse    | erved or pred  | dicted flow events |  |
| ☐ Presence of wrack        | line                  | □ V                                       | Vater stainir    | ng             |                    |  |
| Other (list):              |                       |   |                  |                |                    |  |
| ☐ Discontinuous? Ex        | kplain:               |   |                  |                |                    |  |
| (iii) Chemical Characteris | tics:                 |   |                  |                |                    |  |
| •                          |                       |   |                  |                |                    |  |
| Characterize Tributa       |                       |   |                  |                |                    |  |
| Identify Specific Poll     | utants, if known:     |   |                  |                |                    |  |
|                            |                       |   |                  |                |                    |  |
|                            |                       |   |                  |                |                    |  |
|                            |                       |   |                  |                |                    |  |
|                            |                       |   |                  |                |                    |  |

| Feature ID: 6A   |       |
|--|-------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |       |
| ☐ Riparian Corridor Characteristics:   |       |
| ☐ Wetland Fringe Characteristics:  |       |
| Habitat for:   |       |
| ☐ Federally Listed Species Explain:  |       |
| ☐ Fish/Spawn Areas Explain:  |       |
| ☐ Other environmentally -sensitive species Explain:  |       |
| ☐ Aquatic/Wildlife diversity Explain:  |       |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                     |       |
| (i) Physical Characteristics:  |       |
| Wetland Size (ac): Wetland Type, Explain:  |       |
| Wetland Quality, Explain:  |       |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |       |
| Wetland Flow is: Explain:  |       |
| Surface Flow is: Characteristics:  |       |
| Subsurface Flow: Explain Findings:   |       |
| ☐ Wetland Directly Abutting Non-TNW  |       |
| ☐ Wetland Not Directly Abutting Non-TNW  |       |
| ☐ Discrete wetland hydrologic connection Explain:  |       |
| ☐ Ecologcal connection Explain:  |       |
| ☐ Separated by berm/barrier Explain:   |       |
| Project Wetlands: River Miles from TNW:  |       |
| Project Wetlands: Aerial Miles from TNW:   |       |
| Flow is From:  |       |
| Approximate Location of Wetland within Floodplain:   |       |
| (ii) Chemical Characteristics:   |       |
| Characterize Wetland System:   |       |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                       |       |
| ☐ Riparian Buffer Explain:   |       |
| ☐ Vegetation type/percent cover. Explain:  |       |
| Habitat for:   |       |
| ☐ Federally Listed Species Explain:  |       |
| ☐ Fish/Spawn Areas Explain:  |       |
| ☐ Other environmentally-sensitive species Explain:   |       |
| ☐ Aquatic/Wildlife Diversity Explain:  |       |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                    |       |
| All wetland(s) considered in cumulative analysis:  |       |
| Wetland acres in total being considered in cumulative analysis:  |       |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functi | ons): |
|  |       |
|  |       |
|  |       |

| C. SIGNIFICA  | NT NEXUS DETERMINATION   |
|---|--|
| 1. Signific into TNW  | ant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly<br>Explain:  |
| between I<br>discharges<br>downstres<br>possibility<br>critical ha<br>does not p<br>drainage of<br>biological | ned ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River rowers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood, in combination with the geomorphology of the Analysis Area, the presence of a significant am manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or pitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This poes not have more than a speculative or insubstantial effect on the physical, chemical, and/or integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant of the TNW reach of the Gila River between Powers Butte and Gillespie Dam. |
| _   | ant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly into TNW. Explain:  |
| 3. Signific Explain:  | ant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
| O. DETERMI  | NATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| 1. TNWs a   | nd Adjacent Wetlands   |
| ☐ TNW:  | : Linear Feet Width (ft), Or, Acres  |
| ■ Wetla   | nds adjacent to TNWs: Acres  |
| Reserved  | for Section III D 2 (RPWs):  |
| 3. Non-Ri   | Ws that flow directly or indirectly into TNWs.   |
| ☐ Non-T   | NW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus TNW, and is therfore jurisdictional.  |
| Length  | (Linear Feet): Width (feet): Acres:  |
| Reserved  | for Section III D 4 (Wetlands directly abutting RPWs):   |
| Reserved  | for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| 6. Wetla  | nds adjacent to non-RPWs that flow directly or indirectly into TNWs.   |
|   | nd adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, significant nexus with the TNW.  |
| Estim   | ated size of jurisdictional wetland (in acres):  |
| 7. Impou  | ndments of jurisdictional waters.  |
| Demo  | nstration of Jurisdiction:   |
|   | WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF LD AFFECT INTERSTATE COMMERCE  |
|   | ng rationale:  |
| Length (I   | near feet): Acres:   |
|   | SDICTIONAL WATERS, INCLUDING WETLANDS:   |
|   | dictional Waters:  |
| 14/-1   | o not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.  |

| Feature ID: 6A   |  |
|--|--|
| As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW.   |  |
| Explain finding of Other:  |  |
| ✓ Non-wetland waters  ☐ Other waters  ☐ Wetlands  5237.26 linear feet (ft), 5.45 width (ft)  acres  acres  |  |
| SECTION IV: DATA SOURCES   |  |
| <ul> <li>✓ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.</li> <li>✓ Data Sheets Prepared/Submitted on behalf of Applicant</li> <li>☐ Office Concurs with delineation</li> <li>☐ Office Does Not Concur with delineation</li> <li>☐ Data Sheets Prepared by the Corps</li> <li>☐ Corps Navigable Water Study</li> <li>☐ US Geological Survey Hydrologic Atlas</li> <li>☐ USGS NHD Data</li> <li>☐ USGS 8 and 12 digit HUC Map</li> </ul> |  |
| ✓ US Geological Survey Map(s) Scale and Quad Name: Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles   |  |
| □ USDA Nat'l Res Conservation Service Soil Survey Citation: □ National Wetlands Inventory Maps Cite Map Name: □ State/Local Wetland Inventory Maps   |  |
| ☐ FEMA/FIR Maps ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)   |  |
| <ul> <li>✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008</li> <li>✓ Other Photographs (Name and Date): Ground Photos; May 2012</li> </ul>   |  |
| ✓ Other Photographs (Name and Date): Ground Photos; May 2012  □ Previous Determinations File No. and Date of Response Letter: □ Applicable/Supporting Case Law Citation: □ Applicable/Supporting Scientific Literature Citation:   |  |
| Other Information, Please Specify:   |  |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>       |                     |                                       |                              |
|---|---------------------|---------------------|---------------------------------------|------------------------------|
| A. Report Completion Date for App   | oroved Jurisdiction | onal Determination  | n: 07/30/2012                         |                              |
| B. District Office and File No: Los   | Angeles District,   | File No. Pending    |                                       |                              |
| C. Project Location and Background  | d Information:      | Drainage Feature    | 6B                                    |                              |
| City, County, State Sif Oidak Dis   | strict, Tohono O'   | odham Nation, Pir   | na and Pinal Cou                      | nties, Arizona               |
| Center coordinates of site: Lat.  | 32.5073             | Long111.9           | 100                                   |                              |
| Name of nearest waterbody: Un   | named Wash 6B       |                     |                                       |                              |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River be    | etween Powers Bu    | tte and Gillespie                     | Dam                          |
| ✓ Map/Diagram of potential juris  | dictional area is   | available on reque  | st                                    |                              |
| D. Review Performed for Site Evalu  | lation:             |                     |                                       |                              |
| Office Determination. Date:   |                     |                     |                                       |                              |
| Field Determination. Date: 05/  | 2012                |                     |                                       |                              |
| SECTION II: SUMMARY OF FINDIN   | GS                  |                     |                                       |                              |
| A. RHA Section 10 Determination   |                     |                     |                                       |                              |
| There Are No "navigable waters  |                     | hin RHA jurisdictio | n in the review a                     | area.                        |
| B. CWA Section 404 Determination  | on of Jurisdiction  |                     |                                       |                              |
| There Are No "waters of the   | ne U.S." within C   | WA jurisdiction in  | the review area.                      |                              |
| 1. Waters of the US:  |                     |                     |                                       |                              |
| Linear Feet   | \                   | Width (ft) and/or   | Ac                                    | res                          |
| Limits of Jurisdiction based on:  |                     |                     |                                       |                              |
| 2. Non-Regulated Waters/Wet   |                     |                     |                                       |                              |
| ✓ Potentially jurisdictional was  | iters and/or wet    | lands were assesse  | ed and determin                       | ed not to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a si   | gnificant nexus wit | •                                     |                              |
| SECTION III: CWA ANALYSIS   |                     |                     |                                       |                              |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs         |                     |                                       |                              |
| 1. Identified TNW:  |                     |                     |                                       |                              |
| Rationale for TNW determinate   | tion:               |                     |                                       |                              |
| 2. Rationale for conclusion tha   | it any wetlands բ   | oresent are "adjace | ent":                                 |                              |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY A       | ND ITS ADJACENT V   | WETLANDS                              |                              |
| TNW Watershed Size (sq mi):   | 49650               | Tributaries flo     |                                       | 4                            |
| Drainage Area (sq mi):  | 0.00066             |                     | om tributary to 1                     |                              |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 8.5<br>0            |                     | om tributary to F<br>rom tributary to |                              |
| Average Allinaal Silowiali (III).   | J                   |                     | rom tributary to                      |                              |
| ☐ Project waters cross or serv  | ve as state bound   |                     |                                       |                              |

Feature ID: 6B

| Identify flow route to 1 | NW:  |
|--------------------------|--|
| •                        | thin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural    | Explain:   |
| Average Width (ft):      | .47  |
| Average Depth (ft):      |  |
| Average Side Slopes: 2   | :1   |
| ✓ Silts □ Sands          | ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  |
| ☐ Concrete ☐ M           | ck Other, Explain:   |
| Tributary Condition/St   | bility. Explain: Stable  |
| Presence of Run/Riffle   | Pool Complexes. Explain: Not Present   |
| Tributary Geometry:      | Relatively Straight  |
| T '1 ' O '!' ' /         | roximate average slope): 2%  |

| <u>(c) Flow:</u>                        |                       |             |           |              |           |              |       |
|---|-----------------------|-------------|-----------|--------------|-----------|--------------|-------|
| Tributary Provides for:                 | Ephemeral Flow        | Average F   | low Eve   | ents per yea | ar:       | 2-5          |       |
| Describe Flow Regime:                   | Ephemeral             | Other Info  | ormatio   | n on Durati  | on and    | Volume:      |       |
| Surface Flow is:                        | Confined              | Character   | istics:   |              |           |              |       |
| Subsurface Flow:                        | No                    | Explain:    |           |              |           |              |       |
| Tributary Has:                          |                       |             |           |              |           |              |       |
| $\square$ Bed and Banks                 |                       |             |           |              |           |              |       |
| ✓ OHWM: OHWM In                         | dicators:             |             |           |              |           |              |       |
| $\square$ Clear, natural line           | impressed on the bank | □ V         | egetatio  | on matted o  | down, b   | ent or abse  | ent   |
| Changes in soil changes                 | aracter               | □ Le        | eaf litte | r disturbed  | or was    | hed away     |       |
| ☐ Shelving                              |                       | ☐ Pi        | resence   | of litter an | d debri   | S            |       |
| Sediment depositi                       | on                    | <b>✓</b> D  | estructi  | ion of terre | strial ve | egetation    |       |
| Sediment sorting                        |                       | $\square$ A | brupt cl  | hange in pla | ant com   | nmunity      |       |
| ☐ Scour                                 |                       | $\square$ N | lultiple  | observed o   | r predic  | cted flow ev | vents |
| ☐ Presence of wrack                     | line                  | □ W         | ater st   | aining       |           |              |       |
| Other (list):                           |                       |             |           |              |           |              |       |
| ☐ Discontinuous? Ex                     | xplain:               |             |           |              |           |              |       |
| (iii) Chemical Characteris              | stics:                |             |           |              |           |              |       |
| Characterize Tributa                    | ry:                   |             |           |              |           |              |       |
| Identify Specific Pollutants, if known: |                       |             |           |              |           |              |       |
|   |                       |             |           |              |           |              |       |
|   |                       |             |           |              |           |              |       |
|   |                       |             |           |              |           |              |       |
|   |                       |             |           |              |           |              |       |

| Feature ID: 6B  |             |
|---|-------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                 |             |
| Riparian Corridor Characteristics:  |             |
| ☐ Wetland Fringe Characteristics:   |             |
| Habitat for:  |             |
| ☐ Federally Listed Species Explain:   |             |
| ☐ Fish/Spawn Areas Explain:   |             |
| ☐ Other environmentally -sensitive species Explain:   |             |
| ☐ Aquatic/Wildlife diversity Explain:   |             |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW              |             |
| (i) Physical Characteristics:   |             |
| Wetland Size (ac): Wetland Type, Explain:   |             |
| Wetland Quality, Explain:   |             |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |             |
| Wetland Flow is: Explain:   |             |
| Surface Flow is: Characteristics:   |             |
| Subsurface Flow: Explain Findings:  |             |
| ☐ Wetland Directly Abutting Non-TNW   |             |
| ☐ Wetland Not Directly Abutting Non-TNW   |             |
| ☐ Discrete wetland hydrologic connection Explain:   |             |
| ☐ Ecologcal connection Explain:   |             |
| ☐ Separated by berm/barrier Explain:  |             |
| Project Wetlands: River Miles from TNW:   |             |
| Project Wetlands: Aerial Miles from TNW:  |             |
| Flow is From:   |             |
| Approximate Location of Wetland within Floodplain:  |             |
| (ii) Chemical Characteristics:  |             |
| Characterize Wetland System:  |             |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                |             |
| ☐ Riparian Buffer Explain:  |             |
| ☐ Vegetation type/percent cover. Explain:   |             |
| Habitat for:  |             |
| ☐ Federally Listed Species Explain:   |             |
| ☐ Fish/Spawn Areas Explain:   |             |
| Other environmentally-sensitive species Explain:  |             |
| ☐ Aquatic/Wildlife Diversity Explain:   |             |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                             |             |
| All wetland(s) considered in cumulative analysis:   |             |
| Wetland acres in total being considered in cumulative analysis:   |             |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical | functions): |
|   |             |
|   |             |
|   |             |

| . SIGNIFICANT NEXUS DETERMINATION  |   |
|--|---|
| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indinto TNW. Explain:  | irectly                                 |
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significated downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggest possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW drainage does not have more than a speculative or insubstantial effect on the physical, chemical, as biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a signexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. | ant s that the s or inage V. This nd/or |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows di or indirectly into TNW. Explain:   | irectly                                 |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RF Explain:  | w.                                      |
| . DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |   |
| 1. TNWs and Adjacent Wetlands  |   |
| <ul><li>☐ TNWs: Linear Feet Width (ft), Or,</li><li>☐ Wetlands adjacent to TNWs: Acres</li></ul>   |   |
| Reserved for Section III D 2 (RPWs):   |   |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  |   |
| ☐ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant with a TNW, and is therfore jurisdictional.  | nexus                                   |
| Length (Linear Feet): Width (feet): Acres:   |   |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |   |
|  |   |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |   |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs): Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  | etlands,                                |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent we  | etlands,                                |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent we has a significant nexus with the TNW.  | etlands,                                |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent we has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  | etlands,                                |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent we has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.   |   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 6B   |  |
|--|--|
| As described in Section 30 possess a significant nexus   | C1 above, an analysis of this ephemeral drainage determined that it did not us with the nearest TNW.                                     |
| Explain finding of Other:  |  |
| ✓ Non-wetland waters  ☐ Other waters   | 3362.04 linear feet (ft), 5.47 width (ft) acres  |
| ☐ Wetlands   | acres  |
| SECTION IV: DATA SOURCES   |  |
| ✓ Data Sheets Prepared/ ☐ Office Concurs with  | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  /Submitted on behalf of Applicant h delineation oncur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | er Study<br>Hydrologic Atlas   |
|  | Map(s) Scale and Quad Name: rains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                  |
| ☐ National Wetlands Inv☐ State/Local Wetland In  |  |
| <ul><li>☐ FEMA/FIR Maps</li><li>☐ 100-year Floodplain El</li></ul>   | levation is: (National Geodetic Vertical Datum of 1929)  |
|  | (Name and Date): BING, Microsoft Virtual Earth 2008  |
| ✓ Other Photographs (  | (Name and Date): Ground Photos; May 2012   |
| Applicable/Supporting  |  |
| <ul><li>Applicable/Supporting<br/>Other Information, Ple</li></ul>   |  |

| SECTION I: BACKGROUND INFORM  | <u>MATION</u>      |                  |               |                                |                             |
|---|--------------------|------------------|---------------|--------------------------------|-----------------------------|
| A. Report Completion Date for App   | oroved Jurisdic    | tional Determ    | ination: 0    | 7/30/2012                      |                             |
| B. District Office and File No: Los   | Angeles Distri     | ct, File No. Per | nding         |                                |                             |
| C. Project Location and Background  | d Information:     | Drainage F       | eature 6B1    |                                |                             |
| City, County, State Sif Oidak Dis   | strict, Tohono     | O'odham Nati     | on, Pima an   | d Pinal Coun                   | ties, Arizona               |
| Center coordinates of site: Lat.  | 32.5073            | Long             | -111.9100     |                                |                             |
| Name of nearest waterbody: Un   | named Wash 6       | 6B1              |               |                                |                             |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River      | between Pow      | ers Butte an  | d Gillespie D                  | am                          |
| ✓ Map/Diagram of potential juris  | dictional area     | is available on  | request       |                                |                             |
| D. Review Performed for Site Evalu  | iation:            |                  |               |                                |                             |
| Office Determination. Date:   |                    |                  |               |                                |                             |
| Field Determination. Date: 05/  | 2012               |                  |               |                                |                             |
| SECTION II: SUMMARY OF FINDIN   | GS                 |                  |               |                                |                             |
| A. RHA Section 10 Determination   |                    | 1                |               |                                |                             |
| There Are No "navigable waters  | s of the U.S." v   | vithin RHA juri  | sdiction in t | he review ar                   | ea.                         |
| B. CWA Section 404 Determination  | on of Jurisdiction | on               |               |                                |                             |
| There Are No "waters of the   | ne U.S." within    | CWA jurisdict    | ion in the re | view area.                     |                             |
| 1. Waters of the US:  |                    |                  |               |                                |                             |
| Linear Feet   |                    | Width (ft) an    | nd/or         | Acre                           | es                          |
| Limits of Jurisdiction based on:  |                    |                  |               |                                |                             |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa                        |                    | etlands were a   | assessed and  | d determine                    | d not to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a     | significant ne   | xus with a d  | -                              |                             |
| SECTION III: CWA ANALYSIS   |                    |                  |               |                                |                             |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs        |                  |               |                                |                             |
| 1. Identified TNW:  |                    |                  |               |                                |                             |
| Rationale for TNW determinate   | tion:              |                  |               |                                |                             |
| 2. Rationale for conclusion tha   | it any wetland     | s present are '  | 'adjacent":   |                                |                             |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY        | AND ITS ADJA     | CENT WETLA    | ANDS                           |                             |
| TNW Watershed Size (sq mi):   | 49650              |                  | ries flow to  |                                | 4                           |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                | 0.00004<br>8.5     |                  |               | ibutary to TN<br>ibutary to RF |                             |
| Average Annual Snowfall (in):   | 0                  |                  |               | ributary to Kr                 |                             |
| G ().   |                    |                  |               | ributary to R                  |                             |
| ☐ Project waters cross or serv  | ve as state bou    | ındaries. Ex     | plain:        |                                |                             |

Feature ID: 6B1

| _  |                              | •                            | Area are ultimately tributary to the Santa Rosa Wash. Topograpical flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|--|------------------------------|------------------------------|---|
| Tributary is: Natural                                |                              | Explain:                     |   |
| Average Width (ft):                                  | 3.85                         |                              |   |
| Average Depth (ft):                                  | 1                            |                              |   |
| Average Side Slopes:                                 | 2:1                          |                              |   |
| Primary tributary sub                                | strate                       | compositio                   | n (check all that apply):   |
| ✓ Silts ☐ Sands                                      |                              | composition Cobbles Other, E | ☐ Bedrock ☑ Gravel ☐ Vegetation   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ N                       | Лuck                         | Cobbles<br>Other, E          | ☐ Bedrock ☑ Gravel ☐ Vegetation   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M Tributary Condition/S | /luck<br>Stability           | Cobbles Other, E             | ☐ Bedrock ☑ Gravel ☐ Vegetation  (plain:  Stable  |
| ✓ Silts □ Sands                                      | /luck<br>Stability<br>e/Pool | Cobbles Other, E             | ☐ Bedrock ☑ Gravel ☐ Vegetation  Kplain:  Stable  Explain: Not Present  |

| (c) Flow:                  |                       |           |            |             |            |                  |  |
|----------------------------|-----------------------|-----------|------------|-------------|------------|------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average   | Flow Eve   | nts per ye  | ear:       | 2-5              |  |
| Describe Flow Regime:      | Ephemeral             | Other Inf | formatio   | n on Dura   | tion and   | Volume:          |  |
| Surface Flow is:           | Confined              | Characte  | ristics:   |             |            |                  |  |
| Subsurface Flow:           | No                    | Explain:  |            |             |            |                  |  |
| Tributary Has:             |                       |           |            |             |            |                  |  |
| ☐ Bed and Banks            |                       |           |            |             |            |                  |  |
| ✓ OHWM: OHWM Inc           | dicators:             |           |            |             |            |                  |  |
| ☐ Clear, natural line i    | impressed on the banl | ( □ \     | /egetatio  | n matted    | down, k    | ent or absent    |  |
| Changes in soil cha        | racter                | □ L       | eaf litter | disturbe    | d or was   | hed away         |  |
| ☐ Shelving                 |                       | □ F       | resence    | of litter a | nd debri   | is               |  |
| ☐ Sediment deposition      | on                    | ✓ [       | Destructi  | on of terr  | estrial ve | egetation        |  |
| ✓ Sediment sorting         |                       |           | Abrupt ch  | nange in p  | lant con   | nmunity          |  |
| ☐ Scour                    |                       |           | Multiple ( | observed    | or predi   | cted flow events |  |
| ☐ Presence of wrack        | line                  | _ \       | Nater sta  | aining      |            |                  |  |
| Other (list):              |                       |           |            |             |            |                  |  |
| ☐ Discontinuous? Ex        | rplain:               |           |            |             |            |                  |  |
| (iii) Chemical Characteris | tics:                 |           |            |             |            |                  |  |
| Characterize Tributa       | ry:                   |           |            |             |            |                  |  |
| Identify Specific Poll     |                       |           |            |             |            |                  |  |
| , ,                        | ,                     |           |            |             |            |                  |  |
|                            |                       |           |            |             |            |                  |  |
|                            |                       |           |            |             |            |                  |  |
|                            |                       |           |            |             |            |                  |  |

| Feature ID: 6B1   |                  |
|---|------------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                   |                  |
| Riparian Corridor Characteristics:  |                  |
| ☐ Wetland Fringe Characteristics:   |                  |
| Habitat for:  |                  |
| ☐ Federally Listed Species Explain:   |                  |
| ☐ Fish/Spawn Areas Explain:   |                  |
| ☐ Other environmentally -sensitive species Explain:   |                  |
| ☐ Aquatic/Wildlife diversity Explain:   |                  |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                |                  |
| (i) Physical Characteristics:   |                  |
| Wetland Size (ac): Wetland Type, Explain:   |                  |
| Wetland Quality, Explain:   |                  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |                  |
| Wetland Flow is: Explain:   |                  |
| Surface Flow is: Characteristics:   |                  |
| Subsurface Flow: Explain Findings:  |                  |
| ☐ Wetland Directly Abutting Non-TNW   |                  |
| ☐ Wetland Not Directly Abutting Non-TNW   |                  |
| ☐ Discrete wetland hydrologic connection Explain:   |                  |
| ☐ Ecologcal connection Explain:   |                  |
| ☐ Separated by berm/barrier Explain:  |                  |
| Project Wetlands: River Miles from TNW:   |                  |
| Project Wetlands: Aerial Miles from TNW:  |                  |
| Flow is From:   |                  |
| Approximate Location of Wetland within Floodplain:  |                  |
| (ii) Chemical Characteristics:  |                  |
| Characterize Wetland System:  |                  |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                  |                  |
|   |                  |
| ☐ Riparian Buffer Explain: ☐ Vegetation type/percent cover. Explain:  |                  |
| Habitat for:  |                  |
| Federally Listed Species Explain:   |                  |
| ☐ Fish/Spawn Areas Explain:   |                  |
| ☐ Other environmentally-sensitive species Explain:  |                  |
| ☐ Aquatic/Wildlife Diversity Explain:   |                  |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                               |                  |
|   |                  |
| All wetland(s) considered in cumulative analysis:   |                  |
| Wetland acres in total being considered in cumulative analysis:   | Francis II and A |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical f | unctions):       |
|   |                  |
|   |                  |

| . SIGNIFICANT   | NEXUS DETERMINATION  |
|---|--|
| 1. Significant into TNW. E  | nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly plain:   |
| between Powdischarges, in downstream possibility of critical habits does not prodrainage does biological into   | dephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River ers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood combination with the geomorphology of the Analysis Area, the presence of a significant manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or the swere identified within the Analysis Area. Additionally, this unnamed ephemeral drainage ride lifecycle support functions, nutrients, or organic carbon to species within the TNW. This is not have more than a speculative or insubstantial effect on the physical, chemical, and/or egrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant to TNW reach of the Gila River between Powers Butte and Gillespie Dam. |
| •   | nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly nto TNW. Explain:   |
| 3. Significan Explain:  | nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
| _   | Adjacent Wetlands  |
| ☐ TNWs: ☐ Wetland   | Adjacent Wetlands  Linear Feet Width (ft), Or, Acres  adjacent to TNWs: Acres  Section III D 2 (RPWs):   |
| ☐ TNWs: ☐ Wetland Reserved for  | Linear Feet Width (ft), Or, Acres s adjacent to TNWs: Acres  |
| ☐ TNWs: ☐ Wetland Reserved for  3. Non-RPW ☐ Non-TNW with a TN  | Linear Feet Width (ft), Or, Acres s adjacent to TNWs: Acres Section III D 2 (RPWs):  |
| ☐ TNWs: ☐ Wetland Reserved for  3. Non-RPW ☐ Non-TNW with a TN Length (L  | Linear Feet Width (ft), Or, Acres  adjacent to TNWs: Acres  Section III D 2 (RPWs):  that flow directly or indirectly into TNWs.  /non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus W, and is therfore jurisdictional.  |
| ☐ TNWs: ☐ Wetland Reserved for  3. Non-RPW ☐ Non-TNW with a TN Length (L  | Linear Feet Width (ft), Or, Acres  Sadjacent to TNWs: Acres  Section III D 2 (RPWs):  that flow directly or indirectly into TNWs.  /non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus W, and is therfore jurisdictional.  near Feet): Width (feet): Acres:   |
| ☐ TNWs: ☐ Wetland Reserved for  3. Non-RPW ☐ Non-TNW with a TN Length (L Reserved for Reserved for  | Linear Feet Width (ft), Or, Acres  Section III D 2 (RPWs):  that flow directly or indirectly into TNWs.  /non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus  W, and is therfore jurisdictional.  near Feet): Width (feet): Acres:  Section III D 4 (Wetlands directly abutting RPWs):  |
| ☐ TNWs: ☐ Wetland Reserved for  3. Non-RPW ☐ Non-TNW with a TN Length (L Reserved for Reserved for 6. Wetlands ☐ Wetlands ☐ has a sign                            | Linear Feet Width (ft), Or, Acres  Section III D 2 (RPWs):  that flow directly or indirectly into TNWs.  /non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus  W, and is therfore jurisdictional.  near Feet): Width (feet): Acres:  Section III D 4 (Wetlands directly abutting RPWs):  Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  adjacent to non-RPWs that flow directly or indirectly into TNWs.  adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, difficant nexus with the TNW.  |
| ☐ TNWs: ☐ Wetland Reserved for  3. Non-RPW ☐ Non-TNW with a TN Length (L Reserved for Reserved for 6. Wetland has a sig Estimate                                  | Linear Feet Width (ft), Or, Acres  Section III D 2 (RPWs):  that flow directly or indirectly into TNWs.  /non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus  W, and is therfore jurisdictional.  near Feet): Width (feet): Acres:  Section III D 4 (Wetlands directly abutting RPWs):  Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  adjacent to non-RPWs that flow directly or indirectly into TNWs.  adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands,  |
| ☐ TNWs: ☐ Wetland Reserved for  3. Non-RPW ☐ Non-TNW with a TN Length (L Reserved for Reserved for Reserved for Wetland has a sig Estimate  7. Impound            | Linear Feet  |
| ☐ TNWs: ☐ Wetland Reserved for  3. Non-RPW ☐ Non-TNW with a TN Length (L Reserved for Reserved for 6. Wetlands ☐ Wetlands ☐ has a sign Estimate 7. Impound Demons | Linear Feet  |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 6B1   |   |
|---|---|
|   | ion 3C1 above, an analysis of this ephemeral drainage determined that it did not nexus with the nearest TNW.  |
| Explain finding of Ot   | ther:   |
| <ul><li>✓ Non-wetland wat</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>                                   | ters 295.37 linear feet (ft), 3.85 width (ft) acres acres   |
| SECTION IV: DATA SOU  | RCES  |
| ✓ Data Sheets Prep  ☐ Office Concur  ☐ Office Does N  | ts or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. pared/Submitted on behalf of Applicant rs with delineation Not Concur with delineation |
| ☐ Corps Navigable☐ US Geological Su☐ USGS NHD D☐  | orvey Hydrologic Atlas<br>Data  |
| ✓ US Geological Su  | 12 digit HUC Map  Irvey Map(s) Scale and Quad Name:  Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                          |
| <ul><li>□ National Wetland</li><li>□ State/Local Wetl</li><li>□ FEMA/FIR Ma</li><li>□ 100-year Floodp</li></ul> | lain Elevation is: (National Geodetic Vertical Datum of 1929)   |
| - ,   | ohs (Name and Date): BING, Microsoft Virtual Earth 2008 ohs (Name and Date): Ground Photos; May 2012  |
| ☐ Previous Determ ☐ Applicable/Supp ☐ Applicable/Supp   | ninations File No. and Date of Response Letter:   |

| SECTION I: BACKGROUND INFORM                                  | IATION   |                                       |                       |
|---|--|---------------------------------------|-----------------------|
| A. Report Completion Date for App                             | roved Jurisdictional Determination:  | 07/30/2012                            |                       |
| B. District Office and File No: Los                           | Angeles District, File No. Pending   |                                       |                       |
| C. Project Location and Background                            | Information: Drainage Feature 6  | С                                     |                       |
| City, County, State Sif Oidak Dis                             | trict, Tohono O'odham Nation, Pima   | and Pinal Counties, A                 | Arizona               |
| Center coordinates of site: Lat. 3                            | 2.5073 Long111.9100  | )                                     |                       |
| Name of nearest waterbody: Unr                                | named Wash 6C  |                                       |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306          | V: Gila River between Powers Butte   | and Gillespie Dam                     |                       |
| ✓ Map/Diagram of potential juriso                             | dictional area is available on request   |                                       |                       |
| D. Review Performed for Site Evalu                            | ation:   |                                       |                       |
| Office Determination. Date:                                   |  |                                       |                       |
| Field Determination. Date: 05/2                               | 2012   |                                       |                       |
| SECTION II: SUMMARY OF FINDING                                | <b>3</b> C   |                                       |                       |
| A. RHA Section 10 Determination                               | <del></del>  |                                       |                       |
|   | of the U.S." within RHA jurisdiction i   | n the review area.                    |                       |
| B. CWA Section 404 Determinatio                               | •  |                                       |                       |
|   | e U.S." within CWA jurisdiction in the   | e review area.                        |                       |
| 1. Waters of the US:  | ,  |                                       |                       |
| Linear Feet   | Width (ft) and/or  | Acres                                 |                       |
| Limits of Jurisdiction based on:                              |  |                                       |                       |
| 2. Non-Regulated Waters/Wetl  ✓ Potentially jurisdictional wa | ands:<br>ters and/or wetlands were assessed  | and determined not                    | to be jurisdictional: |
| considered jurisdictional if                                  | does not qualify as a TNW or RPW. T<br>it possessed a significant nexus with a<br>xus with the downstream TNW. |                                       |                       |
| SECTION III: CWA ANALYSIS                                     |  |                                       |                       |
| A. TNWs AND WETLANDS ADJACE                                   | NT TO TNWs   |                                       |                       |
| 1. Identified TNW:  |  |                                       |                       |
| Rationale for TNW determinat                                  | ion:   |                                       |                       |
| 2. Rationale for conclusion tha                               | t any wetlands present are "adjacent   | ":                                    |                       |
| B. CHARACTERISTICS OF NON-TN\                                 | V TRIBUTARY AND ITS ADJACENT WE  | TLANDS                                |                       |
| TNW Watershed Size (sq mi):                                   | 49650 Tributaries flow   |                                       | 4                     |
| Drainage Area (sq mi):  |  | tributary to TNW:                     | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):   |  | tributary to RPW: n tributary to TNW: | 30 (or more)          |
| Average Annual Showlan (III).                                 |  | n tributary to RPW:                   | So (or more)          |
| ☐ Project waters cross or serv                                |  | ,                                     |                       |

Feature ID: 6C

| Identify flow route to  | TNW:   |                       |                                   |                 |               |   |
|---|--|-----------------------|-----------------------------------|-----------------|---------------|---|
| Unnamed drainages suggests the most lik River.                    |  | •                     |                                   | •               | •             | Rosa Wash. Topography<br>ruz Wash to the Gila |
| Tributary is: Natural   |  | Explain:              |                                   |                 |               |   |
| Average Width (ft):   | 3.73   |                       |                                   |                 |               |   |
| Average Depth (ft):   | 1  |                       |                                   |                 |               |   |
|   |  |                       |                                   |                 |               |   |
|   |  | compositio            | on (check a                       | ll that apply): |               |   |
| Average Side Slopes:  Primary tributary sub  Silts   Sands        | ostrate o  | compositio<br>Cobbles | on (check a                       |                 | I □ Vegetatio | n   |
| Primary tributary sub   | ostrate o  | •                     | Bedr                              |                 | I □ Vegetatio | n   |
| Primary tributary sub   | ostrate o  | Cobbles<br>Other, I   | Bedr                              |                 | I □ Vegetatio | n   |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/ | ostrate of the state of the sta | Cobbles Other, E      | ☐ Bedreexplain:                   |                 | I □ Vegetatio | n   |
| Primary tributary sub  Silts Sands  Concrete N                    | ostrate of Stability   | Cobbles Other, E      | Bedreexplain:  Stable s. Explain: | ock ☑ Grave     | I □ Vegetatio | n   |

| (c) Flow:                               |                       |             |             |             |           |                   |  |
|---|-----------------------|-------------|-------------|-------------|-----------|-------------------|--|
| Tributary Provides for:                 | Ephemeral Flow        | Average I   | Flow Eve    | nts per y   | ear:      | 2-5               |  |
| Describe Flow Regime:                   | Ephemeral             | Other Inf   | ormation    | n on Dura   | ation and | d Volume:         |  |
| Surface Flow is:                        | Confined              | Characte    | ristics:    |             |           |                   |  |
| Subsurface Flow:                        | No                    | Explain:    |             |             |           |                   |  |
| Tributary Has:                          |                       |             |             |             |           |                   |  |
| ☐ Bed and Banks                         |                       |             |             |             |           |                   |  |
| ✓ OHWM: OHWM Inc                        | dicators:             |             |             |             |           |                   |  |
| ☐ Clear, natural line                   | impressed on the bank | □v          | egetatio    | n matte     | d down,   | bent or absent    |  |
| ✓ Changes in soil cha                   | •                     |             | -           |             |           | shed away         |  |
| ☐ Shelving                              |                       | □ P         | resence     | of litter a | and debr  | ris               |  |
| ☐ Sediment depositi                     | on                    | <b>✓</b> D  | estructio   | on of teri  | estrial v | regetation        |  |
| Sediment sorting                        |                       |             | brupt ch    | ange in p   | olant cor | mmunity           |  |
| ☐ Scour                                 |                       |             | /lultiple c | bserved     | or pred   | icted flow events |  |
| ☐ Presence of wrack                     | line                  | $\square$ V | Vater sta   | ining       |           |                   |  |
| Other (list):                           |                       |             |             |             |           |                   |  |
| ☐ Discontinuous? Ex                     | xplain:               |             |             |             |           |                   |  |
| (iii) Chemical Characteris              | stics:                |             |             |             |           |                   |  |
| Characterize Tributa                    | ry:                   |             |             |             |           |                   |  |
| Identify Specific Poll                  | •                     |             |             |             |           |                   |  |
| , |                       |             |             |             |           |                   |  |
|   |                       |             |             |             |           |                   |  |
|   |                       |             |             |             |           |                   |  |
|   |                       |             |             |             |           |                   |  |

| Feature ID: 6C   |
|--|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |
| ☐ Riparian Corridor Characteristics:   |
| ☐ Wetland Fringe Characteristics:  |
| Habitat for:   |
| ☐ Federally Listed Species Explain:  |
| ☐ Fish/Spawn Areas Explain:  |
| ☐ Other environmentally -sensitive species Explain:  |
| ☐ Aquatic/Wildlife diversity Explain:  |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                               |
| (i) Physical Characteristics:  |
| Wetland Size (ac): Wetland Type, Explain:  |
| Wetland Quality, Explain:  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |
| Wetland Flow is: Explain:  |
| Surface Flow is: Characteristics:  |
| Subsurface Flow: Explain Findings:   |
| ☐ Wetland Directly Abutting Non-TNW  |
| ☐ Wetland Not Directly Abutting Non-TNW  |
| ☐ Discrete wetland hydrologic connection Explain:  |
| ☐ Ecologcal connection Explain:  |
| ☐ Separated by berm/barrier Explain:   |
| Project Wetlands: River Miles from TNW:  |
| Project Wetlands: Aerial Miles from TNW:   |
| Flow is From:  |
| Approximate Location of Wetland within Floodplain:   |
| (ii) Chemical Characteristics:   |
| Characterize Wetland System:   |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |
| ☐ Riparian Buffer Explain:   |
| ☐ Vegetation type/percent cover. Explain:  |
| Habitat for:   |
| ☐ Federally Listed Species Explain:  |
| ☐ Fish/Spawn Areas Explain:  |
| ☐ Other environmentally-sensitive species Explain:   |
| ☐ Aquatic/Wildlife Diversity Explain:  |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |
| All wetland(s) considered in cumulative analysis:  |
| Wetland acres in total being considered in cumulative analysis:  |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions):      |
| 2 33322 333. Westaria (all 233.) asata tributary ty size in deres, overall biological, elicinical or physical falletions). |
|  |
|  |

| 1 Significant nevu   | S DETERMINATION   |
|--|---|
| into TNW. Explain  | s findings for non-RPW that has no adjacent wetlands and flows directly or indirectly :   |
| between Powers B discharges, in combound downstream mann possibility of a hyd critical habitats we does not provide li drainage does not biological integrity  | emeral drainage is located more than 100 river miles from the nearest TNW, the Gila River outte and Gillespie Dam. An analysis of peak yearly discharges and potential flood bination with the geomorphology of the Analysis Area, the presence of a significant nade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the rologic connection between this drainage and the TNW is tenuous. No pollutants or the identified within the Analysis Area. Additionally, this unnamed ephemeral drainage fecycle support functions, nutrients, or organic carbon to species within the TNW. This maye more than a speculative or insubstantial effect on the physical, chemical, and/or of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant W reach of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexu or indirectly into T   | s findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly NW. Explain:   |
| 3. Significant nexu Explain:   | s findings for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| DETERMINATIONS   | OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| 1. TNWs and Adjac  | ent Wetlands  |
| ☐ TNWs:  | Linear Feet Width (ft), Or, Acres   |
| Wetlands adja  |   |
| Reserved for Section   |   |
|  | flow directly or indirectly into TNWs.  |
| ☐ Non-TNW/non-   | RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus d is therfore jurisdictional.   |
|  |   |
|  |   |
| Length (Linear   |   |
| Length (Linear Reserved for Section  | on III D 4 (Wetlands directly abutting RPWs):   |
| Length (Linear Reserved for Section Reserved for Reserv | on III D 4 (Wetlands directly abutting RPWs): on III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |
| Length (Linear Reserved for Section Reserved for Reserved for Section Reserved for Reserved | on III D 4 (Wetlands directly abutting RPWs):   |
| Reserved for Section Reserved for | on III D 4 (Wetlands directly abutting RPWs): on III D 5 (Wetlands adjacent to but not directly abutting RPWs): ent to non-RPWs that flow directly or indirectly into TNWs. ent to non-RPWs which, in combination with the tributary and other adjacent wetlands,   |
| Length (Linear Reserved for Section Reserved for Se | on III D 4 (Wetlands directly abutting RPWs): on III D 5 (Wetlands adjacent to but not directly abutting RPWs): ent to non-RPWs that flow directly or indirectly into TNWs. ent to non-RPWs which, in combination with the tributary and other adjacent wetlands, at nexus with the TNW.  |
| Length (Linear Reserved for Section Reserved for Se | on III D 4 (Wetlands directly abutting RPWs): on III D 5 (Wetlands adjacent to but not directly abutting RPWs): ent to non-RPWs that flow directly or indirectly into TNWs. ent to non-RPWs which, in combination with the tributary and other adjacent wetlands, at nexus with the TNW. of jurisdictional wetland (in acres):  |
| Length (Linear Reserved for Section Reserved for Reserved for Section Re | on III D 4 (Wetlands directly abutting RPWs): on III D 5 (Wetlands adjacent to but not directly abutting RPWs): ent to non-RPWs that flow directly or indirectly into TNWs. ent to non-RPWs which, in combination with the tributary and other adjacent wetlands, at nexus with the TNW. of jurisdictional wetland (in acres): of jurisdictional waters. of Jurisdiction:   |
| Length (Linear Reserved for Section Reserved for Se | on III D 4 (Wetlands directly abutting RPWs): on III D 5 (Wetlands adjacent to but not directly abutting RPWs): ent to non-RPWs that flow directly or indirectly into TNWs. ent to non-RPWs which, in combination with the tributary and other adjacent wetlands, at nexus with the TNW. of jurisdictional wetland (in acres): of jurisdictional waters.  |
| Length (Linear Reserved for Section Reserved for Se | on III D 4 (Wetlands directly abutting RPWs): on III D 5 (Wetlands adjacent to but not directly abutting RPWs): ent to non-RPWs that flow directly or indirectly into TNWs. ent to non-RPWs which, in combination with the tributary and other adjacent wetlands, at nexus with the TNW. of jurisdictional wetland (in acres): of jurisdictional waters. of Jurisdiction:  5, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF CT INTERSTATE COMMERCE  |
| Length (Linear Reserved for Section Reserved For Impoundments Demonstration ISOLATED WATERS (HICH COULD AFFE)   | on III D 4 (Wetlands directly abutting RPWs): on III D 5 (Wetlands adjacent to but not directly abutting RPWs): ent to non-RPWs that flow directly or indirectly into TNWs. ent to non-RPWs which, in combination with the tributary and other adjacent wetlands, at nexus with the TNW. of jurisdictional wetland (in acres): of jurisdictional waters. of Jurisdiction:  5, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF CT INTERSTATE COMMERCE  |
| Length (Linear Reserved for Section Reserved for Supporting ration Reserved for Section Reserved f | on III D 4 (Wetlands directly abutting RPWs): on III D 5 (Wetlands adjacent to but not directly abutting RPWs): ent to non-RPWs that flow directly or indirectly into TNWs. ent to non-RPWs which, in combination with the tributary and other adjacent wetlands, at nexus with the TNW. of jurisdictional wetland (in acres): of jurisdictional waters. of Jurisdiction:  5, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF CT INTERSTATE COMMERCE  |
| Length (Linear Reserved for Section Reserved For Supporting ration Reserved For Supporting ration Reserved for Section Reserved for Sec | on III D 4 (Wetlands directly abutting RPWs): on III D 5 (Wetlands adjacent to but not directly abutting RPWs): ent to non-RPWs that flow directly or indirectly into TNWs. ent to non-RPWs which, in combination with the tributary and other adjacent wetlands, at nexus with the TNW. of jurisdictional wetland (in acres): of jurisdictional waters. of Jurisdiction: i, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF CT INTERSTATE COMMERCE  ale: c): Acres: NAL WATERS, INCLUDING WETLANDS:  |

| Feature ID: 6C  |  |                                    |             |                 |                   |            |
|---|--|------------------------------------|-------------|-----------------|-------------------|------------|
| As described in Section 30 possess a significant nexus  |  |                                    | eral draina | ge determined   | that it did not   |            |
| Explain finding of Other:   |  |                                    |             |                 |                   |            |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>  | a  | inear feet (ft),<br>ocres<br>ocres | 3.73        | width (ft)      |                   |            |
| SECTION IV: DATA SOURCES  |  |                                    |             |                 |                   |            |
| ✓ Maps, Plans, Plots or P ✓ Data Sheets Prepared,  ☐ Office Concurs with  ☐ Office Does Not Co  ☐ Data Sheets Prepared                  | 'Submitted on beh<br>n delineation<br>ncur with delineat | alf of Applicant                   | Itant: W    | estLand Resour  | ces, Inc.         |            |
| ☐ Corps Navigable Wate ☐ US Geological Survey H ☐ USGS NHD Data ☐ USGS 8 and 12 dig   | r Study<br>Hydrologic Atlas                              |                                    |             |                 |                   |            |
| ✓ US Geological Survey N  | Map(s) Scale and   |                                    | osa Moun    | tains NW 7.5-M  | linute Quadrangle | S          |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul> | entory Maps Ci   | Survey Citation<br>ite Map Name:   | n:          |                 |                   |            |
| ☐ 100-year Floodplain El  | evation is:  |                                    | (National   | Geodetic Vertic | cal Datum of 1929 | <b>)</b> ) |
| Aerial Photographs (  | Name and Date):  | BING, Microsoft                    | √irtual Eaı | rth 2008        |                   |            |
| Other Photographs (   | Name and Date):  | Ground Photos; N                   | May 2012    |                 |                   |            |
| <ul><li>Previous Determination</li><li>Applicable/Supporting</li></ul>  | Case Law Citatio   | on:                                | Letter:     |                 |                   |            |
| <ul><li>Applicable/Supporting</li><li>Other Information, Ple</li></ul>  |  | re Citation:                       |             |                 |                   |            |

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>    |                            |                                     |                       |
|--|------------------|----------------------------|-------------------------------------|-----------------------|
| A. Report Completion Date for App  | roved Jurisdict  | tional Determination:      | 07/30/2012                          |                       |
| B. District Office and File No: Los  | Angeles Distric  | t, File No. Pending        |                                     |                       |
| C. Project Location and Background   | d Information:   | Drainage Feature 61        | )                                   |                       |
| City, County, State Sif Oidak Dis  | trict, Tohono (  | O'odham Nation, Pima       | and Pinal Counties, ,               | Arizona               |
| Center coordinates of site: Lat. 3   | 32.5073          | Long111.9100               |                                     |                       |
| Name of nearest waterbody: Unr   | named Wash 6     | D                          |                                     |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | V: Gila River    | between Powers Butte       | and Gillespie Dam                   |                       |
| ✓ Map/Diagram of potential juriso  | dictional area i | s available on request     |                                     |                       |
| D. Review Performed for Site Evalu   | ation:           |                            |                                     |                       |
| Office Determination. Date:  |                  |                            |                                     |                       |
| Field Determination. Date: 05/2  | 2012             |                            |                                     |                       |
| SECTION II: SUMMARY OF FINDING   | GS               |                            |                                     |                       |
| A. RHA Section 10 Determination  |                  |                            |                                     |                       |
| There Are No "navigable waters   | of the U.S." w   | rithin RHA jurisdiction in | n the review area.                  |                       |
| B. CWA Section 404 Determinatio  | n of Jurisdictio | on                         |                                     |                       |
| There Are No "waters of the  | e U.S." within   | CWA jurisdiction in the    | review area.                        |                       |
| 1. Waters of the US:   |                  |                            |                                     |                       |
| Linear Feet  |                  | Width (ft) and/or          | Acres                               |                       |
| Limits of Jurisdiction based on:   |                  |                            |                                     |                       |
| <ol> <li>Non-Regulated Waters/Wetl</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                  | etlands were assessed a    | and determined not                  | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne    | it possessed a   | significant nexus with a   |                                     | •                     |
| SECTION III: CWA ANALYSIS  |                  |                            |                                     |                       |
| A. TNWs AND WETLANDS ADJACE  | NT TO TNWs       |                            |                                     |                       |
| 1. Identified TNW:   |                  |                            |                                     |                       |
| Rationale for TNW determinat   | ion:             |                            |                                     |                       |
| 2. Rationale for conclusion tha  | t any wetlands   | s present are "adjacent    | <b>'</b> :                          |                       |
| B. CHARACTERISTICS OF NON-TNV  | W TRIBUTARY A    | AND ITS ADJACENT WE        | ΓLANDS                              |                       |
| TNW Watershed Size (sq mi):  | 49650            | Tributaries flow           |                                     | 4                     |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                   | 0.00035<br>8.5   |                            | tributary to TNW: tributary to RPW: | 30 (or more)          |
| Average Annual Snowfall (in):  | 0                |                            | tributary to RPW:                   | 30 (or more)          |
|  | •                |                            | tributary to RPW:                   | - ( 5)                |
| ☐ Project waters cross or serv   | e as state bou   | ndaries. Explain:          |                                     |                       |

Feature ID: 6D

| Identify flow route to   |  |                       |             |                |           |         |  |
|--|--|-----------------------|-------------|----------------|-----------|---------|--|
| Unnamed drainages suggests the most lik                                      |  | •                     |             | •              | •         |         |  |
| River.  Tributary is: Natural  |  | Explain:              |             |                |           |         |  |
| Average Width (ft):  | 5.69   | Explain.              |             |                |           |         |  |
|  | 1  |                       |             |                |           |         |  |
| Average Depth (ft):  | 1  |                       |             |                |           |         |  |
| Augus as Cida Classes.   | 2.1  |                       |             |                |           |         |  |
| Average Side Slopes:   | 2:1  |                       |             |                |           |         |  |
|  |  | compositio            | on (check a | I that apply): |           |         |  |
| Average Side Slopes:  Primary tributary sub  ✓ Silts   ☐ Sands               | ostrate o  | compositic<br>Cobbles | <u> </u>    |                | el 🗆 Vege | etation |  |
| Primary tributary sub  Silts Sands   | ostrate (  | Cobbles               | ☐ Bedro     |                | el 🗆 Vege | etation |  |
| Primary tributary sub  ✓ Silts □ Sands                                       | ostrate o  | ·                     | ☐ Bedro     |                | el 🗆 Vege | etation |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                        | ostrate o  | Cobbles<br>Other, I   | ☐ Bedro     |                | el 🗆 Vege | etation |  |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N  Fributary Condition/S | ostrate of the state of the sta | Cobbles Other, E      | ☐ Bedro     |                |           | etation |  |
| Primary tributary sub  ☑ Silts ☐ Sands                                       | ostrate of the state of the sta | Cobbles Other, E      | Bedro       | ock ☑ Grav     |           | etation |  |

| (c) Flow:                  |                           |                  |                 |               |                    |  |
|----------------------------|---------------------------|------------------|-----------------|---------------|--------------------|--|
| Tributary Provides for:    | Ephemeral Flow            | Average          | Flow Events     | per year:     | 2-5                |  |
| Describe Flow Regime:      | Ephemeral                 | Other Inf        | ormation on     | Duration an   | d Volume:          |  |
| Surface Flow is:           | Surface Flow is: Confined |                  |                 |               |                    |  |
| Subsurface Flow:           | No                        | Explain:         |                 |               |                    |  |
| Tributary Has:             |                           |                  |                 |               |                    |  |
|                            |                           |                  |                 |               |                    |  |
| ✓ OHWM: OHWM Inc           | dicators:                 |                  |                 |               |                    |  |
|                            | impressed on the bank     | $\square$ $\lor$ | egetation m     | atted down,   | bent or absent     |  |
| Changes in soil changes    | •                         |                  | eaf litter dist | -             |                    |  |
| ☐ Shelving                 |                           | □ P              | resence of li   | tter and deb  | ris                |  |
| ☐ Sediment depositi        | on                        | <b>✓</b> [       | estruction o    | f terrestrial | vegetation         |  |
| Sediment sorting           |                           |                  | Abrupt chang    | e in plant co | mmunity            |  |
| ☐ Scour                    |                           |                  | ∕Iultiple obse  | rved or pred  | licted flow events |  |
| ☐ Presence of wrack        | line                      | □ <b>v</b>       | Vater stainin   | g             |                    |  |
| Other (list):              |                           |                  |                 |               |                    |  |
| ☐ Discontinuous? Ex        | xplain:                   |                  |                 |               |                    |  |
| (iii) Chemical Characteris | stics:                    |                  |                 |               |                    |  |
| •                          |                           |                  |                 |               |                    |  |
| Characterize Tributa       |                           |                  |                 |               |                    |  |
| Identify Specific Poll     | utants, if known:         |                  |                 |               |                    |  |
|                            |                           |                  |                 |               |                    |  |
|                            |                           |                  |                 |               |                    |  |
|                            |                           |                  |                 |               |                    |  |
|                            |                           |                  |                 |               |                    |  |

| Feature ID: 6D   |
|--|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |
| Riparian Corridor Characteristics:   |
| ☐ Wetland Fringe Characteristics:  |
| Habitat for:   |
| ☐ Federally Listed Species Explain:  |
| ☐ Fish/Spawn Areas Explain:  |
| ☐ Other environmentally -sensitive species Explain:  |
| ☐ Aquatic/Wildlife diversity Explain:  |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                           |
| (i) Physical Characteristics:  |
| Wetland Size (ac): Wetland Type, Explain:  |
| Wetland Quality, Explain:  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |
| Wetland Flow is: Explain:  |
| Surface Flow is: Characteristics:  |
| Subsurface Flow: Explain Findings:   |
| ☐ Wetland Directly Abutting Non-TNW  |
| ☐ Wetland Not Directly Abutting Non-TNW  |
| ☐ Discrete wetland hydrologic connection Explain:  |
| ☐ Ecologcal connection Explain:  |
| ☐ Separated by berm/barrier Explain:   |
| Project Wetlands: River Miles from TNW:  |
| Project Wetlands: Aerial Miles from TNW:   |
| Flow is From:  |
| Approximate Location of Wetland within Floodplain:   |
| (ii) Chemical Characteristics:   |
| Characterize Wetland System:   |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |
| ☐ Riparian Buffer Explain:   |
| ☐ Vegetation type/percent cover. Explain:  |
| Habitat for:   |
| Federally Listed Species Explain:  |
| ☐ Fish/Spawn Areas Explain:  |
| ☐ Other environmentally-sensitive species Explain:   |
| ☐ Aquatic/Wildlife Diversity Explain:  |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |
| All wetland(s) considered in cumulative analysis:  |
| Wetland acres in total being considered in cumulative analysis:  |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions):  |
| Describe each wedand (an early about tributary), size in acres, overall biological, elicinical or physical functions). |
|  |
|  |

| SIGNIFICANT NEXUS DETERMINATION   |  |   |  |
|---|--|---|--|
| 1. Significant nexus findings for non-RPW that into TNW. Explain:   | t has no adjacent we   | tlands and flo  | ws directly or indirectly  |
| This unnamed ephemeral drainage is located between Powers Butte and Gillespie Dam. An discharges, in combination with the geomorp downstream manmade impoundment (Tat M possibility of a hydrologic connection betwee critical habitats were identified within the Andoes not provide lifecycle support functions, drainage does not have more than a speculat biological integrity of the TNW. Therefore, this nexus with the TNW reach of the Gila River be | analysis of peak yearl<br>nology of the Analysis<br>omolikot Dam), and the<br>this drainage and the<br>lysis Area. Additional<br>nutrients, or organic cove or insubstantial efformers | y discharges and Area, the presence distance to be TNW is tenued by, this unnamentarion to specifiect on the physical drainage does | nd potential flood sence of a significant the TNW, suggests that the ous. No pollutants or ed ephemeral drainage es within the TNW. This vsical, chemical, and/or as not possess a significant |
| 2. Significant nexus findings for non-RPW an or indirectly into TNW. Explain:   | l its adjacent wetland   | ds, where the   | non-RPW flows directly   |
| 3. Significant nexus findings for wetlands adj  | acent to an RPW but  | that do not di  | rectly abut the RPW.   |
|   |  |   |  |
| DETERMINATIONS OF JURISDICTIONAL FIND   | NGS. THE SUBJECT W   | ATERS/WETLA   | ANDS ARE   |
| 1. TNWs and Adjacent Wetlands   |  |   |  |
| ☐ TNWs: Linear Feet   | Width (ft)   | , Or,   | Acres  |
| Wetlands adjacent to TNWs:  | Acres  |   |  |
| Reserved for Section III D 2 (RPWs):  |  |   |  |
| 3. Non-RPWs that flow directly or indirectly  | nto TNWs.  |   |  |
| ☐ Non-TNW/non-RPW waterbody that flows with a TNW, and is therfore jurisdictional.  | directly or indirectly   | into a TNW an   | d has a signficant nexus   |
| Length (Linear Feet): Wid   | h (feet):  | Acres:  |  |
| Reserved for Section III D 4 (Wetlands direct   | y abutting RPWs):  |   |  |
| Reserved for Section III D 5 (Wetlands adjace   | nt to but not directly   | abutting RPWs   | 5):  |
| 6. Wetlands adjacent to non-RPWs that flow  | directly or indirectly   | into TNWs.  |  |
| <ul> <li>Wetland adjacent to non-RPWs which, in<br/>has a significant nexus with the TNW.</li> </ul>  |  |   | other adjacent wetlands,   |
| Estimated size of jurisdictional wetland (i   | ı acres):  |   |  |
| 7. Impoundments of jurisdictional waters.   |  |   |  |
| Demonstration of Jurisdiction:  |  |   |  |
| . ISOLATED WATERS, INCLUDING ISOLATED W   |  | EGRADATION  | OR DESTRUCTION OF  |
|   |  |   |  |
| Supporting rationale:   |  |   |  |
| Length (linear feet): Acres:  |  |   |  |
| . NON-JURISDICTIONAL WATERS, INCLUDING  | WETLANDS:  |   |  |
| Non Invitediational Waters  |  |   |  |
| Non-Jurisdictional Waters: Waters do not meet the "Significant Nexus"   |  |   |  |

| Feature ID: 6D   |  |
|--|--|
| As described in Section 3C possess a significant nexus   | 1 above, an analysis of this ephemeral drainage determined that it did not with the nearest TNW.             |
| Explain finding of Other:  |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 1736.27 linear feet (ft), 5.69 width (ft) acres acres  |
| - Wedands  |  |
|  | lat Submitted by Applicant/Consultant: WestLand Resources, Inc. Submitted on behalf of Applicant delineation |
| ☐ Office Does Not Cor  | ncur with delineation  |
| <ul> <li>□ Data Sheets Prepared I</li> <li>□ Corps Navigable Water</li> <li>□ US Geological Survey H</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digi</li> </ul> | Study<br>lydrologic Atlas  |
|  | Map(s) Scale and Quad Name: ins SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles        |
| ☐ National Wetlands Inve<br>☐ State/Local Wetland In   |  |
| <ul><li>☐ FEMA/FIR Maps</li><li>☐ 100-year Floodplain Ele</li></ul>  | evation is: (National Geodetic Vertical Datum of 1929)   |
|  | Name and Date): BING, Microsoft Virtual Earth 2008   |
| ✓ Other Photographs (N   | Name and Date): Ground Photos; May 2012  |
| <ul><li>Previous Determination</li><li>Applicable/Supporting</li><li>Applicable/Supporting</li></ul>   |  |
| Other Information, Ple   | ase Specify:   |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>     |                    |                                  |             |                      |
|---|-------------------|--------------------|----------------------------------|-------------|----------------------|
| A. Report Completion Date for App   | roved Jurisdicti  | onal Determinati   | on: 07/30/2                      | 012         |                      |
| B. District Office and File No: Los   | Angeles District  | , File No. Pending | 5                                |             |                      |
| C. Project Location and Background  | d Information:    | Drainage Featu     | re 6D1                           |             |                      |
| City, County, State Sif Oidak Dis   | strict, Tohono O  | odham Nation, P    | Pima and Pinal                   | Counties, A | rizona               |
| Center coordinates of site: Lat.  | 32.5073           | Long111.           | 9100                             |             |                      |
| Name of nearest waterbody: Un   | named Wash 6D     | 01                 |                                  |             |                      |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River b   | etween Powers B    | Butte and Gilles                 | pie Dam     |                      |
| ✓ Map/Diagram of potential juris  | dictional area is | available on requ  | uest                             |             |                      |
| D. Review Performed for Site Evalu  | ation:            |                    |                                  |             |                      |
| Office Determination. Date:   |                   |                    |                                  |             |                      |
| Field Determination. Date: 05/  | 2012              |                    |                                  |             |                      |
| SECTION II: SUMMARY OF FINDIN   | GS                |                    |                                  |             |                      |
| A. RHA Section 10 Determination   |                   |                    |                                  |             |                      |
| There Are No "navigable waters  | of the U.S." wi   | thin RHA jurisdict | ion in the revie                 | ew area.    |                      |
| B. CWA Section 404 Determination  | n of Jurisdiction | 1                  |                                  |             |                      |
| There Are No "waters of the   | ne U.S." within C | WA jurisdiction in | n the review a                   | ea.         |                      |
| 1. Waters of the US:  |                   |                    |                                  |             |                      |
| Linear Feet   | ,                 | Width (ft) and/or  |                                  | Acres       |                      |
| Limits of Jurisdiction based on:  |                   |                    |                                  |             |                      |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa                        |                   | :lands were asses  | sed and deteri                   | mined not t | o be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a s  | ignificant nexus v | -                                | -           | •                    |
| SECTION III: CWA ANALYSIS   |                   |                    |                                  |             |                      |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs       |                    |                                  |             |                      |
| 1. Identified TNW:  |                   |                    |                                  |             |                      |
| Rationale for TNW determinate   | tion:             |                    |                                  |             |                      |
| 2. Rationale for conclusion tha   | t any wetlands    | present are "adja  | cent":                           |             |                      |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY A     | ND ITS ADJACENT    | WETLANDS                         |             |                      |
| TNW Watershed Size (sq mi):   | 49650             |                    | flow to TNW:                     |             | 4                    |
| Drainage Area (sq mi):  | 0.00005<br>8.5    |                    | from tributary                   |             | 30 (or more)         |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 0                 |                    | from tributary<br>from tributary |             | 30 (or more)         |
|   | -                 |                    | from tributary                   |             |                      |
| ☐ Project waters cross or serv  | e as state boun   | daries. Explain    | :                                |             |                      |

Feature ID: 6D1

| _   |                          | •                                 | Area are ultimately tributary to the Santa Rosa Wash. Topography tial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|---|--------------------------|-----------------------------------|--|
| Tributary is: Natural                                 |                          | Explain:                          |  |
| Average Width (ft):                                   | 3.88                     |                                   |  |
| Average Depth (ft):                                   | 1                        |                                   |  |
| Average Side Slopes:                                  | 2:1                      |                                   |  |
| Primary tributary sub                                 | strate                   | compositio                        | n (check all that apply):  |
| ✓ Silts ☐ Sands                                       |                          | compositio<br>Cobbles<br>Other, E | ☐ Bedrock ☑ Gravel ☐ Vegetation  |
| ✓ Silts ☐ Sands                                       | s □<br>∕uck              | Cobbles Other, E                  | ☐ Bedrock ☑ Gravel ☐ Vegetation  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/S | s □<br>Muck<br>Stability | Cobbles Other, E                  | ☐ Bedrock ☑ Gravel ☐ Vegetation  kplain:  Stable   |
| ✓ Silts ☐ Sands                                       | Muck Stability le/Pool   | Cobbles Other, E                  | ☐ Bedrock ☑ Gravel ☐ Vegetation  Kplain:  Stable  Explain: Not Present   |

| (c) Flow:                       |                      |              |   |              |            |                 |  |
|---------------------------------|----------------------|--------------|---|--------------|------------|-----------------|--|
| Tributary Provides for:         | Ephemeral Flow       | Average      | Flow Eve                                | ents per ye  | ar:        | 2-5             |  |
| Describe Flow Regime:           | Ephemeral            | Other Inf    | Other Information on Duration and Volur |              |            | Volume:         |  |
| Surface Flow is:                | Confined             | Characte     | Characteristics:                        |              |            |                 |  |
| Subsurface Flow:                | No                   | Explain:     | Explain:                                |              |            |                 |  |
| Tributary Has:                  |                      |              |   |              |            |                 |  |
| $\square$ Bed and Banks         |                      |              |   |              |            |                 |  |
| ✓ OHWM: OHWM Inc                | licators:            |              |   |              |            |                 |  |
| $\square$ Clear, natural line i | mpressed on the bank | : □ <b>ν</b> | egetati                                 | on matted    | down, b    | ent or absent   |  |
| Changes in soil cha             | racter               |              | eaf litte                               | r disturbed  | or wasl    | ned away        |  |
| ☐ Shelving                      |                      | □ P          | resence                                 | of litter ar | nd debri   | S               |  |
| ☐ Sediment deposition           | on                   | ✓ [          | estruct                                 | ion of terre | estrial ve | getation        |  |
| Sediment sorting                |                      |              | brupt c                                 | hange in pl  | ant com    | munity          |  |
| ☐ Scour                         |                      |              | ∕lultiple                               | observed o   | or predic  | ted flow events |  |
| ☐ Presence of wrack             | line                 | □ V          | Vater st                                | aining       |            |                 |  |
| Other (list):                   |                      |              |   |              |            |                 |  |
| ☐ Discontinuous? Ex             | xplain:              |              |   |              |            |                 |  |
| (iii) Chemical Characteris      | tics:                |              |   |              |            |                 |  |
| Characterize Tributar           | γ:                   |              |   |              |            |                 |  |
| Identify Specific Pollu         |                      |              |   |              |            |                 |  |
| <br>                            |                      |              |   |              |            |                 |  |
|                                 |                      |              |   |              |            |                 |  |
|                                 |                      |              |   |              |            |                 |  |
|                                 |                      |              |   |              |            |                 |  |

| iv) Biological Characterist                         | ics. Channel supports (check all that apply):                            |
|---|--|
| ☐ Riparian Corridor(                                | Characteristics:   |
| ☐ Wetland Fringe Ch                                 | aracteristics:   |
| Habitat for:  |  |
| ☐ Federally Listed Spe                              | ecies Explain:   |
| ☐ Fish/Spawn Areas                                  | Explain:   |
| ☐ Other environment                                 | ally -sensitive species Explain:   |
| ☐ Aquatic/Wildlife div                              | versity Explain:   |
| 2 Charactaristics of wetls                          | ands adjacent to non TNNA/ that flavy directly, or indirectly into TNNA/ |
| (i) Physical Characteristics                        | ands adjacent to non-TNW that flow directly or indirectly into TNW :     |
| Wetland Size (ac):                                  | Wetland Type, Explain:   |
| Wetland Quality, Expla                              | ain:   |
| Project Wetlands Cros                               | ss or Serve as State Boundaries, Explain:                                |
| Wetland Flow is:                                    | Explain:   |
| Surface Flow is:                                    | Characteristics:   |
| Subsurface Flow:                                    | Explain Findings:  |
| ☐ Wetland Directly Al                               | outting Non-TNW  |
| ☐ Wetland Not Direct                                | ly Abutting Non-TNW  |
| $\square$ Discrete wetland                          | hydrologic connection Explain:   |
| ☐ Ecologcal connec                                  | ction Explain:   |
| $\square$ Separated by ber                          | rm/barrier Explain:  |
| Project Wetlands: Rive                              | er Miles from TNW:   |
| Project Wetlands: Aer                               | ial Miles from TNW:  |
| Flow is From:                                       |  |
| Approximate Location                                | of Wetland within Floodplain:  |
| (ii) Chemical Characteristic                        | cs:  |
| Characterize Wetland                                | System:  |
| iii) Biological Characterist                        | cics. Wetland supports (check all that apply):                           |
| -   |  |
| Riparian Buffer E                                   | percent cover. Explain:  |
| Habitat for:  | ercent cover. Explain.   |
| Federally Listed S                                  | Species Evolain:   |
| ☐ Fish/Spawn Area                                   |  |
| · ·   | entally-sensitive species Explain:                                       |
|   | Diversity Explain:   |
| - AUUGIIC/VVIIUIIIC                                 | , ,  |
| •   |  |
| 3. Characteristics of all we                        | etlands adjacent to the non-TNW tributary (if any)                       |
| 3. Characteristics of all we All wetland(s) conside | red in cumulative analysis:  |
| 3. Characteristics of all we All wetland(s) conside |  |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or into TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, to between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential floodischarges, in combination with the geomorphology of the Analysis Area, the presence of a signit downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, sugging possibility of a hydrologic connection between this drainage and the TNW is tenuous. No polluta critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral does not provide lifecycle support functions, nutrients, or organic carbon to species within the T  | the Gila Rive   |
|--|---|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential floodischarges, in combination with the geomorphology of the Analysis Area, the presence of a signit downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, sugg possibility of a hydrologic connection between this drainage and the TNW is tenuous. No polluta critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral of the control |   |
| drainage does not have more than a speculative or insubstantial effect on the physical, chemical biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.   | ficant<br>lests that the<br>lints or<br>drainage<br>NW. This<br>I, and/or |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flow or indirectly into TNW. Explain:   | s directly  |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the Explain:   | RPW.  |
| ☐ TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  | s   |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  |   |
| ☐ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signfication with a TNW, and is therfore jurisdictional.  | ant nexus   |
| Length (Linear Feet): Width (feet): Acres:   |   |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |   |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |   |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   |   |
| ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent has a significant nexus with the TNW.   | wetlands,   |
| Estimated size of jurisdictional wetland (in acres):   |   |
| 7. Impoundments of jurisdictional waters.  |   |
| Demonstration of Jurisdiction:   |   |
| ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCT HICH COULD AFFECT INTERSTATE COMMERCE   | ION OF  |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 6D1                 |   |                       |           |                  |               |       |
|---------------------------------|---|-----------------------|-----------|------------------|---------------|-------|
| As described in Section 3C      |   | •                     | Irainage  | determined th    | at it did not |       |
| possess a significant nexus     | s with the nearest                      | t TNW.                |           |                  |               |       |
| Explain finding of Other:       |   |                       |           |                  |               |       |
| ✓ Non-wetland waters            | 334.40                                  | linear feet (ft),     | 3.88 wid  | dth (ft)         |               |       |
| $\square$ Other waters          |   | acres                 |           |                  |               |       |
| ☐ Wetlands                      |   | acres                 |           |                  |               |       |
| SECTION IV: DATA SOURCES        |   |                       |           |                  |               |       |
| ✓ Maps, Plans, Plots or P       | lat Submitted by                        | Applicant/Consultan   | t: West   | tl and Resource  | s Inc.        |       |
| ✓ Data Sheets Prepared/         |   |                       |           |                  | 9,            |       |
| ☐ Office Concurs with           |   |                       |           |                  |               |       |
| ☐ Office Does Not Co            | ncur with delinea                       | tion                  |           |                  |               |       |
| ☐ Data Sheets Prepared          | by the Corps                            |                       |           |                  |               |       |
| ☐ Corps Navigable Water         | r Study                                 |                       |           |                  |               |       |
| ☐ US Geological Survey F        | lydrologic Atlas                        |                       |           |                  |               |       |
| USGS NHD Data                   |   |                       |           |                  |               |       |
| $\square$ USGS 8 and 12 digi    | it HUC Map                              |                       |           |                  |               |       |
| ✓ US Geological Survey N        | Map(s) Scale and                        | d Quad Name:          |           |                  |               |       |
| -                               | • | melik, and Santa Rosa | vlountair | ns NW 7.5-Min    | ute Quadran   | igles |
| ☐ USDA Nat'l Res Conser         | vation Service So                       | il Survey Citation:   |           |                  |               |       |
| ☐ National Wetlands Inve        |   | Cite Map Name:        |           |                  |               |       |
| ☐ State/Local Wetland Ir        |   |                       |           |                  |               |       |
| ☐ FEMA/FIR Maps                 | •                                       |                       |           |                  |               |       |
| ☐ 100-year Floodplain El        | evation is:                             | (Na                   | ional Ge  | eodetic Vertical | Datum of 19   | 929)  |
| Aerial Photographs (I           | Name and Date):                         | BING, Microsoft Virtu | al Earth  | 2008             |               |       |
| ✓ Other Photographs (I          | Name and Date):                         | Ground Photos; May    | 2012      |                  |               |       |
| Previous Determination          | ns File No. and                         | Date of Response Lett | er:       |                  |               |       |
| $\square$ Applicable/Supporting | Case Law Citati                         | ion:                  |           |                  |               |       |
| $\square$ Applicable/Supporting | Scientific Literatu                     | ure Citation:         |           |                  |               |       |
| Other Information, Ple          | ase Specify:                            |                       |           |                  |               |       |

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>    |                            |                                      |                       |
|--|------------------|----------------------------|--------------------------------------|-----------------------|
| A. Report Completion Date for App  | roved Jurisdict  | tional Determination:      | 07/30/2012                           |                       |
| B. District Office and File No: Los  | Angeles Distric  | t, File No. Pending        |                                      |                       |
| C. Project Location and Background   | d Information:   | Drainage Feature 6         | <u> </u>                             |                       |
| City, County, State Sif Oidak Dis  | trict, Tohono (  | O'odham Nation, Pima       | and Pinal Counties,                  | Arizona               |
| Center coordinates of site: Lat. 3   | 32.5073          | Long111.9100               |                                      |                       |
| Name of nearest waterbody: Unr   | named Wash 6     | E                          |                                      |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | V: Gila River l  | between Powers Butte       | and Gillespie Dam                    |                       |
| ✓ Map/Diagram of potential juriso  | dictional area i | s available on request     |                                      |                       |
| D. Review Performed for Site Evalu   | ation:           |                            |                                      |                       |
| Office Determination. Date:  |                  |                            |                                      |                       |
| Field Determination. Date: 05/2  | 2012             |                            |                                      |                       |
| SECTION II: SUMMARY OF FINDING   | GS               |                            |                                      |                       |
| A. RHA Section 10 Determination  |                  |                            |                                      |                       |
| There Are No "navigable waters   | of the U.S." w   | rithin RHA jurisdiction in | n the review area.                   |                       |
| B. CWA Section 404 Determinatio  | n of Jurisdictio | on                         |                                      |                       |
| There Are No "waters of the  | e U.S." within   | CWA jurisdiction in the    | review area.                         |                       |
| 1. Waters of the US:   |                  |                            |                                      |                       |
| Linear Feet  |                  | Width (ft) and/or          | Acres                                |                       |
| Limits of Jurisdiction based on:   |                  |                            |                                      |                       |
| <ol> <li>Non-Regulated Waters/Wetl</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                  | etlands were assessed a    | and determined not                   | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne    | it possessed a   | significant nexus with a   |                                      |                       |
| SECTION III: CWA ANALYSIS  |                  |                            |                                      |                       |
| A. TNWs AND WETLANDS ADJACE  | NT TO TNWs       |                            |                                      |                       |
| 1. Identified TNW:   |                  |                            |                                      |                       |
| Rationale for TNW determinat   | ion:             |                            |                                      |                       |
| 2. Rationale for conclusion tha  | t any wetlands   | s present are "adjacent    | ·.                                   |                       |
| B. CHARACTERISTICS OF NON-TNV  | N TRIBUTARY A    | AND ITS ADJACENT WE        | ΓLANDS                               |                       |
| TNW Watershed Size (sq mi):  | 49650            | Tributaries flow           |                                      | 4                     |
| Drainage Area (sq mi):   | 0.00062          |                            | tributary to TNW:                    | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                            | 8.5<br>0         |                            | tributary to RPW:  tributary to TNW: | 30 (or more)          |
| Average Annual Showian (III).  | •                |                            | tributary to RPW:                    | 30 (01 111016)        |
| ☐ Project waters cross or serv   | e as state bou   |                            | ·                                    |                       |

Feature ID: 6E

| Unnamed drainages suggests the most lik River.                    |  | •                                 |             | •            | •            |   |
|---|--|-----------------------------------|-------------|--------------|--------------|---|
| Tributary is: Natural   |  | Explain:                          |             |              |              |   |
| Average Width (ft):   | 5.81   |                                   |             |              |              |   |
| Average Depth (ft):   | 1  |                                   |             |              |              |   |
| Average Side Slopes:  | 2:1  |                                   |             |              |              |   |
| Primary tributary sub   |  | compositio                        | n (check al | that apply): |              |   |
| Primary tributary sub   | ostrate  | compositic<br>Cobbles<br>Other, E | ☐ Bedro     |              | ☐ Vegetatio  | n |
| Primary tributary sub   | ostrate o  | Cobbles<br>Other, E               | ☐ Bedro     |              | □ Vegetation | n |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/ | ostrate of the state of the sta | Cobbles Other, E                  | ☐ Bedro     |              | □ Vegetation | n |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N             | ostrate of the state of the sta | Cobbles Other, E                  | Bedro       | ck 🗹 Gravel  | □ Vegetation | n |

| (c) Flow:                               |                       |             |   |             |           |                   |  |
|---|-----------------------|-------------|---|-------------|-----------|-------------------|--|
| Tributary Provides for:                 | Ephemeral Flow        | Average I   | Flow Eve                                  | nts per y   | ear:      | 2-5               |  |
| Describe Flow Regime:                   | Ephemeral             | Other Inf   | Other Information on Duration and Volume: |             |           |                   |  |
| Surface Flow is:                        | Confined              | Characte    | Characteristics:                          |             |           |                   |  |
| Subsurface Flow:                        | No                    | Explain:    |   |             |           |                   |  |
| Tributary Has:                          |                       |             |   |             |           |                   |  |
| ☐ Bed and Banks                         |                       |             |   |             |           |                   |  |
| ✓ OHWM: OHWM Inc                        | dicators:             |             |   |             |           |                   |  |
| ☐ Clear, natural line                   | impressed on the bank | □v          | egetatio                                  | n matte     | d down,   | bent or absent    |  |
| ✓ Changes in soil cha                   | •                     |             | -   |             |           | shed away         |  |
| ☐ Shelving                              |                       | □ P         | resence                                   | of litter a | and debr  | ris               |  |
| ☐ Sediment depositi                     | on                    | <b>✓</b> D  | estructio                                 | on of teri  | estrial v | regetation        |  |
| Sediment sorting                        |                       |             | brupt ch                                  | ange in p   | olant cor | mmunity           |  |
| ☐ Scour                                 |                       |             | /lultiple c                               | bserved     | or pred   | icted flow events |  |
| ☐ Presence of wrack                     | line                  | $\square$ V | Vater sta                                 | ining       |           |                   |  |
| Other (list):                           |                       |             |   |             |           |                   |  |
| ☐ Discontinuous? Ex                     | xplain:               |             |   |             |           |                   |  |
| (iii) Chemical Characteris              | stics:                |             |   |             |           |                   |  |
| Characterize Tributa                    | ry:                   |             |   |             |           |                   |  |
| Identify Specific Poll                  | •                     |             |   |             |           |                   |  |
| , |                       |             |   |             |           |                   |  |
|   |                       |             |   |             |           |                   |  |
|   |                       |             |   |             |           |                   |  |
|   |                       |             |   |             |           |                   |  |

| Feature ID: 6E  |                |
|---|----------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                 |                |
| Riparian Corridor Characteristics:  |                |
| ☐ Wetland Fringe Characteristics:   |                |
| Habitat for:  |                |
| ☐ Federally Listed Species Explain:   |                |
| ☐ Fish/Spawn Areas Explain:   |                |
| ☐ Other environmentally -sensitive species Explain:   |                |
| ☐ Aquatic/Wildlife diversity Explain:   |                |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW              |                |
| (i) Physical Characteristics:   |                |
| Wetland Size (ac): Wetland Type, Explain:   |                |
| Wetland Quality, Explain:   |                |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |                |
| Wetland Flow is: Explain:   |                |
| Surface Flow is: Characteristics:   |                |
| Subsurface Flow: Explain Findings:  |                |
| ☐ Wetland Directly Abutting Non-TNW   |                |
| ☐ Wetland Not Directly Abutting Non-TNW   |                |
| ☐ Discrete wetland hydrologic connection Explain:   |                |
| ☐ Ecological connection Explain:  |                |
| ☐ Separated by berm/barrier Explain:  |                |
| Project Wetlands: River Miles from TNW:   |                |
| Project Wetlands: Aerial Miles from TNW:  |                |
| Flow is From:   |                |
| Approximate Location of Wetland within Floodplain:  |                |
| (ii) Chemical Characteristics:  |                |
| Characterize Wetland System:  |                |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                |                |
|   |                |
| Riparian Buffer Explain:  |                |
| ☐ Vegetation type/percent cover. Explain: Habitat for:  |                |
| Federally Listed Species Explain:   |                |
| ☐ Fish/Spawn Areas Explain:   |                |
| ☐ Other environmentally-sensitive species Explain:  |                |
| ☐ Aquatic/Wildlife Diversity Explain:   |                |
|   |                |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                             |                |
| All wetland(s) considered in cumulative analysis:   |                |
| Wetland acres in total being considered in cumulative analysis:   |                |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical | al tunctions): |
|   |                |
|   |                |

| . SIGNIFICANT NEXUS DETERMINATION   |   |
|---|---|
| 1. Significant nexus findings for non-RPW that has no adjacent wetlands a into TNW. Explain:  | nd flows directly or indirectly   |
| This unnamed ephemeral drainage is located more than 100 river miles from between Powers Butte and Gillespie Dam. An analysis of peak yearly dischardischarges, in combination with the geomorphology of the Analysis Area, the downstream manmade impoundment (Tat Momolikot Dam), and the distart possibility of a hydrologic connection between this drainage and the TNW is critical habitats were identified within the Analysis Area. Additionally, this undoes not provide lifecycle support functions, nutrients, or organic carbon to drainage does not have more than a speculative or insubstantial effect on the biological integrity of the TNW. Therefore, this unnamed ephemeral drainage nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Down in the Control of the | rges and potential flood ne presence of a significant nce to the TNW, suggests that the s tenuous. No pollutants or innamed ephemeral drainage o species within the TNW. This he physical, chemical, and/or ge does not possess a significant |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, wher or indirectly into TNW. Explain:  | e the non-RPW flows directly  |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do Explain:  | not directly abut the RPW.  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or,  | Acres   |
| Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  |   |
| 3. Non-RPWs that flow directly or indirectly into TNWs.   |   |
| ☐ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TI with a TNW, and is therfore jurisdictional.   | NW and has a signficant nexus   |
| Length (Linear Feet): Width (feet): Acre  | s:  |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):   |   |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting  | g RPWs):  |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TN   |   |
| <ul> <li>Wetland adjacent to non-RPWs which, in combination with the tributar<br/>has a significant nexus with the TNW.</li> </ul>  | y and other adjacent wetlands,  |
| Estimated size of jurisdictional wetland (in acres):  |   |
| 7. Impoundments of jurisdictional waters.   |   |
| Demonstration of Jurisdiction:  |   |
| ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADA<br>HICH COULD AFFECT INTERSTATE COMMERCE   | ATION OR DESTRUCTION OF   |
| Supporting rationale: Length (linear feet): Acres:  |   |
| NON UNDISDICTIONAL WATERS INCLUDING WET ANDS  |   |
| NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:  |   |
| <ul> <li>NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:         Non-Jurisdictional Waters:         Waters do not meet the "Significant Nexus" standard, where such a finding     </li> </ul>  |   |

| Feature ID: 6E   |   |
|--|---|
|  | 3C1 above, an analysis of this ephemeral drainage determined that it did not xus with the nearest TNW.  |
| Explain finding of Other   | ;   |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 2997.39 linear feet (ft), 5.81 width (ft) acres acres   |
| SECTION IV: DATA SOURCE  | is S  |
| ✓ Data Sheets Prepare  ☐ Office Concurs w  | r Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. ed/Submitted on behalf of Applicant with delineation Concur with delineation |
| <ul><li>□ Data Sheets Prepare</li><li>□ Corps Navigable Wa</li><li>□ US Geological Surve</li><li>□ USGS NHD Data</li><li>□ USGS 8 and 12 c</li></ul> | ter Study<br>y Hydrologic Atlas   |
|  | y Map(s) Scale and Quad Name:<br>ntains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                   |
| <ul><li>☐ USDA Nat'l Res Cons</li><li>☐ National Wetlands I</li><li>☐ State/Local Wetland</li><li>☐ FEMA/FIR Maps</li></ul>                          |   |
| 100-year Floodplain  | Elevation is: (National Geodetic Vertical Datum of 1929) (Name and Date): BING, Microsoft Virtual Earth 2008                                    |
|  | (Name and Date): Ground Photos; May 2012  |
| Applicable/Supporti  | tions File No. and Date of Response Letter:  ng Case Law Citation:  ng Scientific Literature Citation:  |
| Other Information 1  |   |

| SECTION I: BACKGROUND INFORM  | <u>MATION</u>                  |  |              |                       |
|---|--------------------------------|--|--------------|-----------------------|
| A. Report Completion Date for App   | proved Jurisdictional Deter    | mination: 07/30/                           | 2012         |                       |
| B. District Office and File No: Los   |                                |  |              |                       |
| C. Project Location and Background  | d Information: <b>Drainage</b> | Feature 6F                                 |              |                       |
| City, County, State Sif Oidak Dis   | strict, Tohono O'odham Na      | ation, Pima and Pina                       | Counties, A  | rizona                |
| Center coordinates of site: Lat.  | 32.5073 Long                   | -111.9100                                  |              |                       |
| Name of nearest waterbody: Uni  | named Wash 6F                  |  |              |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                  | W: Gila River between Po       | wers Butte and Gille                       | espie Dam    |                       |
| ✓ Map/Diagram of potential jurise   | dictional area is available o  | on request                                 |              |                       |
| D. Review Performed for Site Evalu  | uation:                        |  |              |                       |
| Office Determination. Date:   |                                |  |              |                       |
| Field Determination. Date: 05/2   | 2012                           |  |              |                       |
| SECTION II: SUMMARY OF FINDING  | ec                             |  |              |                       |
| A. RHA Section 10 Determination   |                                |  |              |                       |
| There Are No "navigable waters  |                                | urisdiction in the rev                     | iew area.    |                       |
| B. CWA Section 404 Determination  | •                              |  |              |                       |
|   | ne U.S." within CWA jurisd     | iction in the review a                     | area.        |                       |
| 1. Waters of the US:  | •                              |  |              |                       |
| Linear Feet   | Width (ft)                     | and/or                                     | Acres        |                       |
| Limits of Jurisdiction based on:  |                                |  |              |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                                | e assessed and dete                        | rmined not t | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne   | it possessed a significant r   | nexus with a downst                        | 7            | •                     |
| SECTION III: CWA ANALYSIS   |                                |  |              |                       |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs                    |  |              |                       |
| 1. Identified TNW:  |                                |  |              |                       |
| Rationale for TNW determinat  | tion:                          |  |              |                       |
| 2. Rationale for conclusion tha   | at any wetlands present ar     | e "adjacent":                              |              |                       |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY AND ITS AD.        | ACENT WETLANDS                             |              |                       |
| TNW Watershed Size (sq mi):   |                                | taries flow to TNW:                        |              | 4                     |
| Drainage Area (sq mi):  |                                | Miles from tributary                       |              | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                           |                                | Miles from tributary I Miles from tributar |              | 30 (or more)          |
| Average Annual Showlan (III).   |                                | l Miles from tributar                      | •            | 50 (of filore)        |
| ☐ Project waters cross or serv  |                                | Explain:                                   | •            |                       |

Feature ID: 6F

| Identify flow route to   |  |                     |              |              |               |            |            |   |         |
|--|--|---------------------|--------------|--------------|---------------|------------|------------|---|---------|
| Unnamed drainages v<br>suggests the most lik<br>River.                       |  | •                   |              | •            |               | •          |            |   | <br>)hy |
| Tributary is: Natural  |  | Explain:            |              |              |               |            |            |   |         |
| Average Width (ft):  | 7.07   |                     |              |              |               |            |            |   |         |
| Average Depth (ft):  | 1  |                     |              |              |               |            |            |   |         |
|  |  |                     |              |              |               |            |            |   |         |
|  |  | compositio          | on (check al | l that apply | y):           |            |            |   |         |
| Average Side Slopes:  Primary tributary sub  ✓ Silts □ Sands                 | ostrate (  | Cobbles             | ☐ Bedro      |              | y):<br>Gravel | □ v        | egetation  | l |         |
| Primary tributary sub  ☑ Silts ☐ Sands                                       | ostrate o  | •                   | ☐ Bedro      |              |               | □ <b>v</b> | egetation  | ı |         |
| Primary tributary sub  ✓ Silts □ Sands                                       | ostrate o  | Cobbles<br>Other, E | ☐ Bedro      |              |               | □ v        | egetatior  |   |         |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Fributary Condition/S | ostrate of the state of the sta | Cobbles Other, E    | ☐ Bedro      |              | Gravel        | □ v        | egetation/ |   |         |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                        | ostrate of the state of the sta | Cobbles Other, E    | Bedro        | ock 🗹 (      | Gravel        | □ <b>v</b> | egetatior  |   |         |

| Tributary Provides for: Ephemeral Flow Average Flow Events per year: 2-5  Describe Flow Regime: Ephemeral Other Information on Duration and Volume: Surface Flow is: Confined Characteristics: Subsurface Flow: No Explain:  Tributary Has:  | (c) Flow:                  |                   |             |            |           |           |                  |  |
|--|----------------------------|-------------------|-------------|------------|-----------|-----------|------------------|--|
| Surface Flow is:  Subsurface Flow:  No  Explain:  Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank  Changes in soil character  Sediment deposition  Sediment sorting  Abrupt change in plant community  Scour  Multiple observed or predicted flow events  Presence of wrack line  Other (list):  Discontinuous? Explain:  Characteristics:  Characterize Tributary:   | Tributary Provides for:    | Ephemeral Flow    | Average Fl  | low Event  | s per ye  | ar:       | 2-5              |  |
| Subsurface Flow:  No Explain:  Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank  Changes in soil character  Sediment deposition  Sediment sorting  Abrupt change in plant community  Scour  Multiple observed or predicted flow events  Presence of wrack line Other (list):  Discontinuous? Explain:  Substitution of terrestrial vegetation  Mater staining Other (list):  Characterize Tributary:   | Describe Flow Regime:      | Ephemeral         | Other Info  | rmation c  | n Durat   | ion and   | Volume:          |  |
| Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank Changes in soil character Sediment deposition Sediment sorting Scour Multiple observed or predicted flow events Presence of wrack line Other (list): Discontinuous? Explain:  Characterize Tributary:   | Surface Flow is:           | Confined          | Characteri  | stics:     |           |           |                  |  |
| Bed and Banks   ✔ OHWM: OHWM Indicators:   Clear, natural line impressed on the bank Vegetation matted down, bent or absent   ✔ Changes in soil character Leaf litter disturbed or washed away   Shelving Presence of litter and debris   Sediment deposition Destruction of terrestrial vegetation   ✔ Sediment sorting Abrupt change in plant community   Scour Multiple observed or predicted flow events   Presence of wrack line Water staining   Other (list): Discontinuous? Explain:    (iii) Chemical Characteristics:  Characterize Tributary:   | Subsurface Flow:           | No                | Explain:    |            |           |           |                  |  |
| ✓ OHWM: OHWM Indicators:  □ Clear, natural line impressed on the bank □ Changes in soil character □ Leaf litter disturbed or washed away □ Shelving □ Presence of litter and debris □ Sediment deposition □ Destruction of terrestrial vegetation □ Abrupt change in plant community □ Scour □ Multiple observed or predicted flow events □ Presence of wrack line □ Other (list): □ Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:   | Tributary Has:             |                   |             |            |           |           |                  |  |
| ✓ OHWM: OHWM Indicators:  □ Clear, natural line impressed on the bank □ Changes in soil character □ Leaf litter disturbed or washed away □ Shelving □ Presence of litter and debris □ Sediment deposition □ Destruction of terrestrial vegetation □ Abrupt change in plant community □ Scour □ Multiple observed or predicted flow events □ Presence of wrack line □ Other (list): □ Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:   | □ Bed and Banks            |                   |             |            |           |           |                  |  |
| <ul> <li>□ Clear, natural line impressed on the bank</li> <li>□ Changes in soil character</li> <li>□ Leaf litter disturbed or washed away</li> <li>□ Shelving</li> <li>□ Presence of litter and debris</li> <li>□ Sediment deposition</li> <li>☑ Destruction of terrestrial vegetation</li> <li>☑ Sediment sorting</li> <li>□ Abrupt change in plant community</li> <li>□ Scour</li> <li>□ Multiple observed or predicted flow events</li> <li>□ Presence of wrack line</li> <li>□ Other (list):</li> <li>□ Discontinuous? Explain:</li> </ul> (iii) Chemical Characteristics: Characterize Tributary: |                            | dicators:         |             |            |           |           |                  |  |
| <ul> <li>✓ Changes in soil character</li> <li>☐ Shelving</li> <li>☐ Presence of litter and debris</li> <li>☐ Sediment deposition</li> <li>✓ Destruction of terrestrial vegetation</li> <li>✓ Sediment sorting</li> <li>☐ Abrupt change in plant community</li> <li>☐ Scour</li> <li>☐ Multiple observed or predicted flow events</li> <li>☐ Presence of wrack line</li> <li>☐ Water staining</li> <li>☐ Other (list):</li> <li>☐ Discontinuous? Explain:</li> </ul> (iii) Chemical Characteristics: Characterize Tributary:  |                            |                   | □ Ve        | getation   | matted    | down, k   | ent or absent    |  |
| Shelving □ Presence of litter and debris   Sediment deposition ☑ Destruction of terrestrial vegetation   ☑ Sediment sorting □ Abrupt change in plant community   □ Scour □ Multiple observed or predicted flow events   □ Presence of wrack line □ Water staining   Other (list): □ Discontinuous? Explain:    (iii) Chemical Characteristics:  Characterize Tributary:  |                            | •                 |             | _          |           |           |                  |  |
| ✓ Sediment sorting   |                            |                   | ☐ Pr        | esence of  | litter ar | nd debri  | is               |  |
| Scour Multiple observed or predicted flow events Presence of wrack line Water staining Other (list): Discontinuous? Explain:  (iii) Chemical Characteristics: Characterize Tributary:  | ☐ Sediment deposition      | on                | <b>✓</b> De | estruction | of terre  | strial ve | egetation        |  |
| ☐ Presence of wrack line ☐ Water staining Other (list): ☐ Discontinuous? Explain:  (iii) Chemical Characteristics: Characterize Tributary:   | Sediment sorting           |                   | ☐ Ab        | rupt char  | nge in pl | ant con   | nmunity          |  |
| Other (list):  Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:   | ☐ Scour                    |                   | $\square$ M | ultiple ob | served o  | or predi  | cted flow events |  |
| ☐ Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:  | ☐ Presence of wrack        | line              | $\square$ W | ater stain | ing       |           |                  |  |
| (iii) Chemical Characteristics: Characterize Tributary:  | Other (list):              |                   |             |            |           |           |                  |  |
| Characterize Tributary:  | ☐ Discontinuous? Ex        | xplain:           |             |            |           |           |                  |  |
| Characterize Tributary:  | (iii) Chamical Characteris | tice:             |             |            |           |           |                  |  |
| ·  |                            |                   |             |            |           |           |                  |  |
| Identity Specific Pollutants, it known:  |                            | •                 |             |            |           |           |                  |  |
| identify Specific Foliatants, it knows:  | Identify Specific Polli    | utants, if known: |             |            |           |           |                  |  |
|  |                            |                   |             |            |           |           |                  |  |
|  |                            |                   |             |            |           |           |                  |  |
|  |                            |                   |             |            |           |           |                  |  |

| Feature ID: 6F  |  |
|---|--|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |  |
| ☐ Riparian Corridor Characteristics:  |  |
| ☐ Wetland Fringe Characteristics:   |  |
| Habitat for:  |  |
| ☐ Federally Listed Species Explain:   |  |
| ☐ Fish/Spawn Areas Explain:   |  |
| ☐ Other environmentally -sensitive species  |  |
| ☐ Aquatic/Wildlife diversity Explain:   |  |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  |  |
| (i) Physical Characteristics:   |  |
| Wetland Size (ac): Wetland Type, Explain:   |  |
| Wetland Quality, Explain:   |  |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |  |
| Wetland Flow is: Explain:   |  |
| Surface Flow is: Characteristics:   |  |
| Subsurface Flow: Explain Findings:  |  |
| ☐ Wetland Directly Abutting Non-TNW   |  |
| ☐ Wetland Not Directly Abutting Non-TNW   |  |
| ☐ Discrete wetland hydrologic connection Explain:   |  |
| ☐ Ecologcal connection Explain:   |  |
| ☐ Separated by berm/barrier Explain:  |  |
| Project Wetlands: River Miles from TNW:   |  |
| Project Wetlands: Aerial Miles from TNW:  |  |
| Flow is From:   |  |
| Approximate Location of Wetland within Floodplain:  |  |
| (ii) Chemical Characteristics:  |  |
| Characterize Wetland System:  |  |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |  |
| Riparian Buffer Explain:  |  |
| ☐ Vegetation type/percent cover. Explain:   |  |
| Habitat for:  |  |
| ☐ Federally Listed Species Explain:   |  |
| ☐ Fish/Spawn Areas Explain:   |  |
| ☐ Other environmentally-sensitive species Explain:  |  |
| ☐ Aquatic/Wildlife Diversity Explain:   |  |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |  |
| All wetland(s) considered in cumulative analysis:   |  |
| Wetland acres in total being considered in cumulative analysis:   |  |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions):               |  |
| Describe each wedand functions and a directly about tributary:, size in acres, overall biological, chemical or physical functions). |  |
|   |  |
|   |  |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila Riv between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW. suggests that it possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs:   | C. SIGNIFICANT NEXUS DETERMINATION   |   |
|--|--|---|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  3. Concern and Adjacent Wetlands  3. TNWs: Linear Feet Width (ft), Or, Acres  4. TNWs and Adjacent Wetlands  4. TNWs: Linear Feet Width (ft), Or, Acres  5. Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  4. Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  4. Length (Linear Feet): Width (feet): Acres:  6. Wetlands adjacent to non-RPWs that flow directly abutting RPWs):  6. Wetlands adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  5. Extended Size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional wetland (in acres):  8. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATI |  | W that has no adjacent wetlands and flows directly or indirectly  |
| or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs:  Linear Feet  Wetlands adjacent to TNWs:  Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional wetland (in acres):  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE   | between Powers Butte and Gillespie Dadischarges, in combination with the geodownstream manmade impoundment (possibility of a hydrologic connection be critical habitats were identified within the does not provide lifecycle support functional drainage does not have more than a special biological integrity of the TNW. Therefore | m. An analysis of peak yearly discharges and potential flood omorphology of the Analysis Area, the presence of a significant Tat Momolikot Dam), and the distance to the TNW, suggests that the etween this drainage and the TNW is tenuous. No pollutants or he Analysis Area. Additionally, this unnamed ephemeral drainage cions, nutrients, or organic carbon to species within the TNW. This eculative or insubstantial effect on the physical, chemical, and/or are, this unnamed ephemeral drainage does not possess a significant |
| Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  | -  | PW and its adjacent wetlands, where the non-RPW flows directly  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE   | _  | ds adjacent to an RPW but that do not directly abut the RPW.  |
| □ TNWs: Linear Feet Width (ft), Or, Acres  ■ Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  □ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  □ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE   | D. DETERMINATIONS OF JURISDICTIONAL  | . FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.    Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet):   Width (feet):   Acres:    Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.    Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdictional waters.  Demonstration of Jurisdictions:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  | 1. TNWs and Adjacent Wetlands  |   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.    Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet):   Width (feet):   Acres:    Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.    Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE   | ☐ TNWs: Linear Feet  | Width (ft), Or, Acres   |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  | Wetlands adjacent to TNWs:   | Acres   |
| <ul> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.</li></ul>   | Reserved for Section III D 2 (RPWs):   |   |
| <ul> <li>Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.</li></ul>   | 3. Non-RPWs that flow directly or indi   | rectly into TNWs.   |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  | ☐ Non-TNW/non-RPW waterbody tha  | t flows directly or indirectly into a TNW and has a signficant nexus  |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE   | Length (Linear Feet):  | Width (feet): Acres:  |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  | Reserved for Section III D 4 (Wetlands   | directly abutting RPWs):  |
| <ul> <li>□ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.         Estimated size of jurisdictional wetland (in acres):     </li> <li>7. Impoundments of jurisdictional waters.         Demonstration of Jurisdiction:     </li> <li>E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE</li> </ul>  | Reserved for Section III D 5 (Wetlands   | adjacent to but not directly abutting RPWs):  |
| has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE   | 6. Wetlands adjacent to non-RPWs th  | at flow directly or indirectly into TNWs.   |
| 7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  | •  | •   |
| Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE   | Estimated size of jurisdictional wet   | land (in acres):  |
| . ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF VHICH COULD AFFECT INTERSTATE COMMERCE  | 7. Impoundments of jurisdictional wa   | ters.   |
| VHICH COULD AFFECT INTERSTATE COMMERCE   | Demonstration of Jurisdiction:   |   |
| Supporting rationale:  |  |   |
| Supporting rationale:  |  |   |
| Length (linear feet): Acres:   |  |   |
|  | •  | DING WETLANDS:  |
| F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:  Non-Jurisdictional Waters:  |  |   |

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Featur     | e ID: 6F   |                                |                                      |               |                 |                  |  |
|------------|--|--------------------------------|--------------------------------------|---------------|-----------------|------------------|--|
|            | escribed in Section 3C<br>ess a significant nexus  | •                              | •                                    | eral drainage | e determined th | nat it did not   |  |
| Expl       | ain finding of Other:  |                                |                                      |               |                 |                  |  |
|            | on-wetland waters<br>ther waters<br>/etlands   | 2079.87                        | linear feet (ft),<br>acres<br>acres  | 7.07 w        | idth (ft)       |                  |  |
| SECTIO     | N IV: DATA SOURCES   |                                |                                      |               |                 |                  |  |
|            | Maps, Plans, Plots or P<br>Data Sheets Prepared/<br>Office Concurs with<br>Office Does Not Co                    | Submitted on be<br>delineation | ehalf of Applicant                   | ultant: Wes   | stLand Resource | es, Inc.         |  |
| _ (<br>_ ( | Data Sheets Prepared I<br>Corps Navigable Water<br>JS Geological Survey F<br>USGS NHD Data<br>USGS 8 and 12 digi | r Study<br>Hydrologic Atlas    |                                      |               |                 |                  |  |
| <b>V</b> ( | JS Geological Survey N<br>Silver Reef Mounta   |                                |                                      | Rosa Mounta   | ins NW 7.5-Mir  | nute Quadrangles |  |
|            | JSDA Nat'l Res Conser<br>National Wetlands Investate/Local Wetland In  | entory Maps                    | oil Survey Citatio<br>Cite Map Name: | on:           |                 |                  |  |
|            | EMA/FIR Maps  .00-year Floodplain Elo Aerial Photographs (I  |                                | · RING Microsoft                     |               |                 | l Datum of 1929) |  |
|            | Other Photographs (I   | · ·                            |                                      |               | 1 2000          |                  |  |
| _          | Previous Determinatio  |                                |                                      | e Letter:     |                 |                  |  |
|            | Applicable/Supporting  |                                | tion:                                |               |                 |                  |  |
|            | Applicable/Supporting Other Information, Ple   |                                | cure Citation:                       |               |                 |                  |  |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>     |                   |                                      |               |                      |
|---|-------------------|-------------------|--------------------------------------|---------------|----------------------|
| A. Report Completion Date for App   | roved Jurisdict   | ional Determina   | ation: 07/30/                        | 2012          |                      |
| B. District Office and File No: Los   | Angeles Distric   | t, File No. Pendi | ing                                  |               |                      |
| C. Project Location and Background  | d Information:    | Drainage Fea      | ture 6F1                             |               |                      |
| City, County, State Sif Oidak Dis   | strict, Tohono C  | O'odham Nation    | , Pima and Pina                      | l Counties, A | rizona               |
| Center coordinates of site: Lat.  | 32.5073           | Long11            | 11.9100                              |               |                      |
| Name of nearest waterbody: Un   | named Wash 6I     | F1                |                                      |               |                      |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                  | W: Gila River k   | oetween Power     | s Butte and Gille                    | espie Dam     |                      |
| ✓ Map/Diagram of potential juris  | dictional area is | available on re   | equest                               |               |                      |
| D. Review Performed for Site Evalu  | ation:            |                   |                                      |               |                      |
| Office Determination. Date:   |                   |                   |                                      |               |                      |
| Field Determination. Date: 05/2   | 2012              |                   |                                      |               |                      |
| SECTION II: SUMMARY OF FINDING  | GS                |                   |                                      |               |                      |
| A. RHA Section 10 Determination   |                   |                   |                                      |               |                      |
| There Are No "navigable waters  | s of the U.S." w  | ithin RHA jurisd  | iction in the rev                    | iew area.     |                      |
| B. CWA Section 404 Determination  | n of Jurisdictio  | n                 |                                      |               |                      |
| There Are No "waters of the   | ne U.S." within ( | CWA jurisdiction  | n in the review                      | area.         |                      |
| 1. Waters of the US:  |                   |                   |                                      |               |                      |
| Linear Feet   |                   | Width (ft) and/   | 'or                                  | Acres         |                      |
| Limits of Jurisdiction based on:  |                   |                   |                                      |               |                      |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                   | tlands were ass   | sessed and dete                      | rmined not t  | o be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne   | it possessed a s  | significant nexu  | s with a downst                      |               | •                    |
| SECTION III: CWA ANALYSIS   |                   |                   |                                      |               |                      |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs       |                   |                                      |               |                      |
| 1. Identified TNW:  |                   |                   |                                      |               |                      |
| Rationale for TNW determinat  | ion:              |                   |                                      |               |                      |
| 2. Rationale for conclusion tha   | t any wetlands    | present are "ac   | djacent":                            |               |                      |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY A     | AND ITS ADJACE    | NT WETLANDS                          |               |                      |
| TNW Watershed Size (sq mi):   | 49650             |                   | es flow to TNW:                      |               | 4                    |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                  | 0.00013<br>8.5    |                   | es from tributar<br>es from tributar | •             | 30 (or more)         |
| Average Annual Snowfall (in):   | 0                 |                   | es from tributar                     | •             | 30 (or more)         |
| 3   |                   |                   | es from tributa                      | •             |                      |
| ☐ Project waters cross or serv  | ve as state bour  | ndaries. Expla    | ain:                                 |               |                      |

Feature ID: 6F1

| Unnamed drainages suggests the most lik River.        |                          | •                                 |                                   | •           | •            |    |  |
|---|--------------------------|-----------------------------------|-----------------------------------|-------------|--------------|----|--|
| Tributary is: Natural                                 |                          | Explain:                          |                                   |             |              |    |  |
| Average Width (ft):                                   | 5.03                     |                                   |                                   |             |              |    |  |
| Average Depth (ft):                                   | 1                        |                                   |                                   |             |              |    |  |
| Average Side Slopes:                                  | 2:1                      |                                   |                                   |             |              |    |  |
| Primary tributary sub                                 | strate                   | compositio                        | n (check all t                    | hat apply): |              |    |  |
| ✓ Silts ☐ Sands                                       |                          | compositio<br>Cobbles<br>Other, E | Bedroc                            |             | □ Vegetation | on |  |
| ✓ Silts ☐ Sands                                       | s □<br>∕uck              | Cobbles Other, E                  | Bedroc                            |             | □ Vegetatio  | on |  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Fributary Condition/S | s □<br>Muck<br>Stability | Cobbles Other, E                  | ☐ Bedroc xplain:  Stable          |             | □ Vegetatio  | on |  |
| ✓ Silts ☐ Sands                                       | Muck Stability le/Pool   | Cobbles Other, E                  | Bedroc xplain: Stable s. Explain: | k ☑ Gravel  | □ Vegetati   | on |  |

| (c) Flow:                       |                      |                  |           |             |            |                |    |
|---------------------------------|----------------------|------------------|-----------|-------------|------------|----------------|----|
| Tributary Provides for:         | Ephemeral Flow       | Average          | Flow Ev   | ents per ye | ear:       | 2-5            |    |
| Describe Flow Regime:           | Ephemeral            | Other Inf        | ormatic   | n on Dura   | tion and   | Volume:        |    |
| Surface Flow is:                | Confined             | Characte         | ristics:  |             |            |                |    |
| Subsurface Flow:                | No                   | Explain:         |           |             |            |                |    |
| Tributary Has:                  |                      |                  |           |             |            |                |    |
| ☐ Bed and Banks                 |                      |                  |           |             |            |                |    |
| ✓ OHWM: OHWM Inc                | dicators:            |                  |           |             |            |                |    |
| $\square$ Clear, natural line i | mpressed on the bank | $\square$ $\vee$ | /egetati  | on matted   | down, b    | ent or absent  |    |
| Changes in soil cha             | racter               | □ L              | eaf litte | r disturbed | d or was   | ned away       |    |
| ☐ Shelving                      |                      | □ P              | resence   | of litter a | nd debri   | S              |    |
| Sediment deposition             | on                   | <b>~</b> [       | estruct)  | ion of terr | estrial ve | egetation      |    |
| Sediment sorting                |                      |                  | Abrupt c  | hange in p  | lant com   | ımunity        |    |
| ☐ Scour                         |                      |                  | ∕Iultiple | observed    | or predic  | cted flow even | ts |
| ☐ Presence of wrack             | line                 | □ V              | Vater st  | aining      |            |                |    |
| Other (list):                   |                      |                  |           |             |            |                |    |
| ☐ Discontinuous? Ex             | rplain:              |                  |           |             |            |                |    |
| (iii) Chemical Characteris      | tics:                |                  |           |             |            |                |    |
| Characterize Tributai           | ry:                  |                  |           |             |            |                |    |
| Identify Specific Poll          | •                    |                  |           |             |            |                |    |
| , ,                             | ,                    |                  |           |             |            |                |    |
|                                 |                      |                  |           |             |            |                |    |
|                                 |                      |                  |           |             |            |                |    |
|                                 |                      |                  |           |             |            |                |    |

| Feature ID: 6F1   |       |
|---|-------|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |       |
| Riparian Corridor Characteristics:  |       |
| ☐ Wetland Fringe Characteristics:   |       |
| Habitat for:  |       |
| ☐ Federally Listed Species Explain:   |       |
| ☐ Fish/Spawn Areas Explain:   |       |
| ☐ Other environmentally -sensitive species Explain:   |       |
| ☐ Aquatic/Wildlife diversity Explain:   |       |
| 2. Characteristics of westlands adjacent to non TNNA/ that flow directly or indirectly into TNNA/                           |       |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW  (i) Physical Characteristics: |       |
| Wetland Size (ac): Wetland Type, Explain:   |       |
| Wetland Quality, Explain:   |       |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |       |
| Wetland Flow is: Explain:   |       |
| Surface Flow is: Characteristics:   |       |
| Subsurface Flow: Explain Findings:  |       |
| ☐ Wetland Directly Abutting Non-TNW   |       |
| ☐ Wetland Not Directly Abutting Non-TNW   |       |
| ☐ Discrete wetland hydrologic connection Explain:   |       |
| ☐ Ecological connection Explain:  |       |
| ☐ Separated by berm/barrier Explain:  |       |
| Project Wetlands: River Miles from TNW:   |       |
| Project Wetlands: Aerial Miles from TNW:  |       |
| Flow is From:   |       |
| Approximate Location of Wetland within Floodplain:  |       |
| (ii) Chemical Characteristics:  |       |
| Characterize Wetland System:  |       |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |       |
| ☐ Riparian Buffer Explain:  |       |
| ☐ Vegetation type/percent cover. Explain:   |       |
| Habitat for:  |       |
| ☐ Federally Listed Species Explain:   |       |
| ☐ Fish/Spawn Areas Explain:   |       |
| ☐ Other environmentally-sensitive species Explain:  |       |
| ☐ Aquatic/Wildlife Diversity Explain:   |       |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |       |
| All wetland(s) considered in cumulative analysis:   |       |
| Wetland acres in total being considered in cumulative analysis:   |       |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical funct             | ons): |
|   |       |
|   |       |
|   |       |

| . SIGNIFICANT   | NEXUS DETERMINATION   |
|---|---|
| 1. Significant into TNW. Ex   | nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly cplain:   |
| between Pow<br>discharges, in<br>downstream<br>possibility of<br>critical habita<br>does not pro-<br>drainage doe<br>biological int         | dephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River vers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood combination with the geomorphology of the Analysis Area, the presence of a significant manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or ts were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage vide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This is not have more than a speculative or insubstantial effect on the physical, chemical, and/or egrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant to TNW reach of the Gila River between Powers Butte and Gillespie Dam. |
| •   | nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly into TNW. Explain:   |
| 3. Significant Explain:   | nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| _   | Adjacent Wetlands   |
| ☐ TNWs: ☐ Wetland   | Adjacent Wetlands  Linear Feet Width (ft), Or, Acres s adjacent to TNWs: Acres  Section III D 2 (RPWs):   |
| ☐ TNWs: ☐ Wetland Reserved for  | Linear Feet Width (ft), Or, Acres s adjacent to TNWs: Acres   |
| ☐ TNWs: ☐ Wetland Reserved for  3. Non-RPW: ☐ Non-TNW with a TN   | Linear Feet Width (ft), Or, Acres s adjacent to TNWs: Acres Section III D 2 (RPWs):   |
| ☐ TNWs: ☐ Wetland Reserved for  3. Non-RPW: ☐ Non-TNW with a TN Length (L   | Linear Feet Width (ft), Or, Acres s adjacent to TNWs: Acres Section III D 2 (RPWs): s that flow directly or indirectly into TNWs. //non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus W, and is therfore jurisdictional.  |
| ☐ TNWs: ☐ Wetland Reserved for  3. Non-RPW: ☐ Non-TNW with a TN Length (L Reserved for  | Linear Feet Width (ft), Or, Acres  s adjacent to TNWs: Acres  Section III D 2 (RPWs):  s that flow directly or indirectly into TNWs.  I/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus W, and is therfore jurisdictional.  near Feet): Width (feet): Acres:  |
| ☐ TNWs: ☐ Wetland Reserved for  3. Non-RPW: ☐ Non-TNW with a TN Length (L Reserved fo Reserved fo   | Linear Feet Width (ft), Or, Acres  Section III D 2 (RPWs):  Sthat flow directly or indirectly into TNWs.  I/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus W, and is therfore jurisdictional.  near Feet): Width (feet): Acres:  |
| □ TNWs: □ Wetland Reserved for  3. Non-RPW: □ Non-TNW with a TN Length (L Reserved fo Reserved fo 6. Wetlands □ Wetland has a sig           | Linear Feet Width (ft), Or, Acres  s adjacent to TNWs: Acres  Section III D 2 (RPWs):  s that flow directly or indirectly into TNWs.  I/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus W, and is therfore jurisdictional.  near Feet): Width (feet): Acres:  Section III D 4 (Wetlands directly abutting RPWs):  Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  adjacent to non-RPWs that flow directly or indirectly into TNWs.  adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, nificant nexus with the TNW.   |
| □ TNWs: □ Wetland Reserved for  3. Non-RPW □ Non-TNW with a TN Length (L Reserved fo Reserved fo 6. Wetland has a sig Estimate              | Linear Feet Width (ft), Or, Acres  Section III D 2 (RPWs):  Sthat flow directly or indirectly into TNWs.  Ynon-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus W, and is therfore jurisdictional.  near Feet): Width (feet): Acres:  Section III D 4 (Wetlands directly abutting RPWs):  Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  adjacent to non-RPWs that flow directly or indirectly into TNWs.  adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands,   |
| □ TNWs: □ Wetland Reserved for  3. Non-RPW □ Non-TNW with a TN Length (L Reserved fo Reserved fo 6. Wetland has a sig Estimate  7. Impound  | Linear Feet   |
| □ TNWs: □ Wetland Reserved for  3. Non-RPW □ Non-TNW with a TN Length (L Reserved for Reserved for 6. Wetland has a sig Estimate 7. Impound | Linear Feet   |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 6F1  |  |
|--|--|
| As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not   |  |
| possess a significant nexus with the nearest TNW.  |  |
| Explain finding of Other:  |  |
| ✓ Non-wetland waters 744.15 linear feet (ft), 5.03 width (ft)  |  |
| ☐ Other waters acres   |  |
| ☐ Wetlands acres   |  |
| SECTION IV: DATA SOURCES   |  |
| ✓ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.   |  |
| ✓ Data Sheets Prepared/Submitted on behalf of Applicant  |  |
| ☐ Office Concurs with delineation  |  |
| ☐ Office Does Not Concur with delineation  |  |
| ☐ Data Sheets Prepared by the Corps  |  |
| ☐ Corps Navigable Water Study  |  |
| ☐ US Geological Survey Hydrologic Atlas  |  |
| ☐ USGS NHD Data  |  |
| □ USGS 8 and 12 digit HUC Map  |  |
| ✓ US Geological Survey Map(s) Scale and Quad Name:   |  |
| Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  |  |
| _  |  |
| USDA Nat'l Res Conservation Service Soil Survey Citation:  |  |
| ☐ National Wetlands Inventory Maps Cite Map Name:  |  |
| State/Local Wetland Inventory Maps   |  |
| FEMA/FIR Maps  (National Conduits National But on \$1020)  |  |
| ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)   |  |
| <ul> <li>✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008</li> <li>✓ Other Photographs (Name and Date): Ground Photos; May 2012</li> </ul> |  |
|  |  |
| <ul><li>Previous Determinations File No. and Date of Response Letter:</li><li>Applicable/Supporting Case Law Citation:</li></ul>                                   |  |
| ☐ Applicable/Supporting Scientific Literature Citation:  |  |
| — Applicable/ Supporting Scientific Literature Citation.   |  |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>     |                       |                                |             |                      |
|---|-------------------|-----------------------|--------------------------------|-------------|----------------------|
| A. Report Completion Date for App   | oroved Jurisdic   | tional Determinatio   | on: 07/30/2                    | 012         |                      |
| B. District Office and File No: Los   | Angeles Distric   | ct, File No. Pending  |                                |             |                      |
| C. Project Location and Background  | d Information:    | Drainage Featur       | e 6G                           |             |                      |
| City, County, State Sif Oidak Dis   | strict, Tohono    | O'odham Nation, P     | ima and Pinal                  | Counties, A | rizona               |
| Center coordinates of site: Lat.  | 32.5073           | Long111.9             | 9100                           |             |                      |
| Name of nearest waterbody: Un   | named Wash 6      | iG                    |                                |             |                      |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River     | between Powers B      | utte and Gilles                | pie Dam     |                      |
| ✓ Map/Diagram of potential juris  | dictional area i  | s available on requ   | est                            |             |                      |
| D. Review Performed for Site Evalu  | ation:            |                       |                                |             |                      |
| Office Determination. Date:   |                   |                       |                                |             |                      |
| Field Determination. Date: 05/2   | 2012              |                       |                                |             |                      |
| SECTION II: SUMMARY OF FINDING  | GS                |                       |                                |             |                      |
| A. RHA Section 10 Determination   |                   |                       |                                |             |                      |
| There Are No "navigable waters  | s of the U.S." w  | vithin RHA jurisdicti | on in the revie                | ew area.    |                      |
| B. CWA Section 404 Determination  | n of Jurisdiction | on                    |                                |             |                      |
| There Are No "waters of the   | ne U.S." within   | CWA jurisdiction in   | the review ar                  | ea.         |                      |
| 1. Waters of the US:  |                   |                       |                                |             |                      |
| Linear Feet   |                   | Width (ft) and/or     |                                | Acres       |                      |
| Limits of Jurisdiction based on:  |                   |                       |                                |             |                      |
| 2. Non-Regulated Waters/Wet ✓ Potentially jurisdictional wa                         |                   | etlands were asses:   | sed and deteri                 | mined not t | o be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a    | significant nexus w   | •                              | •           | •                    |
| SECTION III: CWA ANALYSIS   |                   |                       |                                |             |                      |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs       |                       |                                |             |                      |
| 1. Identified TNW:  |                   |                       |                                |             |                      |
| Rationale for TNW determinat  | ion:              |                       |                                |             |                      |
| 2. Rationale for conclusion tha   | t any wetland     | s present are "adja   | cent":                         |             |                      |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY       | AND ITS ADJACENT      | WETLANDS                       |             |                      |
| TNW Watershed Size (sq mi):   | 49650             |                       | low to TNW:                    |             | 4                    |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                | 0.00124<br>8.5    |                       | rom tributary<br>rom tributary |             | 30 (or more)         |
| Average Annual Snowfall (in):   | 0.5               |                       | from tributary                 |             | 30 (or more)         |
| 3   |                   |                       | from tributary                 |             |                      |
| ☐ Project waters cross or serv  | ve as state bou   | ndaries. Explain:     |                                |             |                      |

Feature ID: 6G

| ature ID: 6G                                 |   |
|--|---|
| Identify flow route to                       | NW:   |
| _  | hin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural                        | Explain:  |
| Average Width (ft):                          | 1.01  |
| Average Depth (ft):                          |   |
| Average Side Slopes:                         | 1   |
| ✓ Silts ☐ Sands                              | rate composition (check all that apply):   Cobbles  Bedrock  Gravel  Vegetation  ck Other, Explain:   |
| Tributary Condition/S Presence of Run/Riffle | bility. Explain: Stable Pool Complexes. Explain: Not Present  |
| Tributary Geometry:                          | Relatively Straight   |
|  | roximate average slope): 2%   |
|  |   |

| (c) Flow:                               |                      |            |           |              |            |                  |  |
|---|----------------------|------------|-----------|--------------|------------|------------------|--|
| Tributary Provides for:                 | Ephemeral Flow       | Average    | Flow Eve  | ents per ye  | ear:       | 2-5              |  |
| Describe Flow Regime:                   | Ephemeral            | Other Inf  | ormatio   | n on Dura    | tion and   | Volume:          |  |
| Surface Flow is:                        | Confined             | Characte   | ristics:  |              |            |                  |  |
| Subsurface Flow:                        | No                   | Explain:   |           |              |            |                  |  |
| Tributary Has:                          |                      |            |           |              |            |                  |  |
| ☐ Bed and Banks                         |                      |            |           |              |            |                  |  |
| ✓ OHWM: OHWM Inc                        | dicators:            |            |           |              |            |                  |  |
| $\square$ Clear, natural line i         | mpressed on the banl | · □ \      | /egetatio | on matted    | down, b    | ent or absent    |  |
| ✓ Changes in soil cha                   | racter               |            | -         | r disturbed  |            |                  |  |
| ☐ Shelving                              |                      | □ F        | resence   | of litter a  | nd debri   | S                |  |
| ☐ Sediment deposition                   | on                   | <b>~</b> [ | Destructi | ion of terre | estrial ve | egetation        |  |
| Sediment sorting                        |                      |            | Abrupt cl | hange in p   | lant com   | nmunity          |  |
| ☐ Scour                                 |                      |            | Multiple  | observed     | or predi   | cted flow events |  |
| ☐ Presence of wrack                     | line                 | □ <b>\</b> | Water sta | aining       |            |                  |  |
| Other (list):                           |                      |            |           |              |            |                  |  |
| ☐ Discontinuous? Ex                     | xplain:              |            |           |              |            |                  |  |
| (iii) Chemical Characteris              | tics:                |            |           |              |            |                  |  |
| Characterize Tributai                   | ry:                  |            |           |              |            |                  |  |
| Identify Specific Pollu                 | •                    |            |           |              |            |                  |  |
| , | ,                    |            |           |              |            |                  |  |
|   |                      |            |           |              |            |                  |  |
|   |                      |            |           |              |            |                  |  |
|   |                      |            |           |              |            |                  |  |

| Feature ID: 6G   |      |
|--|------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |      |
| Riparian Corridor Characteristics:   |      |
| ☐ Wetland Fringe Characteristics:  |      |
| Habitat for:   |      |
| ☐ Federally Listed Species Explain:  |      |
| ☐ Fish/Spawn Areas Explain:  |      |
| ☐ Other environmentally -sensitive species   |      |
| ☐ Aquatic/Wildlife diversity Explain:  |      |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                       |      |
| (i) Physical Characteristics:  |      |
| Wetland Size (ac): Wetland Type, Explain:  |      |
| Wetland Quality, Explain:  |      |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |      |
| Wetland Flow is: Explain:  |      |
| Surface Flow is: Characteristics:  |      |
| Subsurface Flow: Explain Findings:   |      |
| ☐ Wetland Directly Abutting Non-TNW  |      |
| ☐ Wetland Not Directly Abutting Non-TNW  |      |
| ☐ Discrete wetland hydrologic connection Explain:  |      |
| ☐ Ecologcal connection Explain:  |      |
| ☐ Separated by berm/barrier Explain:   |      |
| Project Wetlands: River Miles from TNW:  |      |
| Project Wetlands: Aerial Miles from TNW:   |      |
| Flow is From:  |      |
| Approximate Location of Wetland within Floodplain:   |      |
| (ii) Chemical Characteristics:   |      |
| Characterize Wetland System:   |      |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |      |
| ☐ Riparian Buffer Explain:   |      |
| ☐ Vegetation type/percent cover. Explain:  |      |
| Habitat for:   |      |
| ☐ Federally Listed Species Explain:  |      |
| ☐ Fish/Spawn Areas Explain:  |      |
| ☐ Other environmentally-sensitive species Explain:   |      |
| ☐ Aquatic/Wildlife Diversity Explain:  |      |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                      |      |
| All wetland(s) considered in cumulative analysis:  |      |
| Wetland acres in total being considered in cumulative analysis:  |      |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical function | ns): |
|  |      |
|  |      |
|  |      |

| . SIGNIFIC   | CANT NEXUS DETERMINATION   |
|--|--|
| _  | icant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly W. Explain:  |
| betweer<br>discharg<br>downstr<br>possibility<br>critical h<br>does not<br>drainage<br>biologica | amed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River in Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood es, in combination with the geomorphology of the Analysis Area, the presence of a significant eam manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the try of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or abitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage to provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This edoes not have more than a speculative or insubstantial effect on the physical, chemical, and/or all integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant ith the TNW reach of the Gila River between Powers Butte and Gillespie Dam. |
| _  | icant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly ectly into TNW. Explain:  |
| 3. Signif Explain:   | icant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
|  |  |
|  | Vs: Linear Feet Width (ft), Or, Acres tlands adjacent to TNWs: Acres d for Section III D 2 (RPWs):   |
| ■ Wet  | tlands adjacent to TNWs: Acres   |
| Reserved  3. Non-I  Non-with   | tlands adjacent to TNWs:  d for Section III D 2 (RPWs):  RPWs that flow directly or indirectly into TNWs.  TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus a TNW, and is therfore jurisdictional.  |
| Reserve  3. Non-I  Non-with Leng   | tlands adjacent to TNWs:  d for Section III D 2 (RPWs):  RPWs that flow directly or indirectly into TNWs.  TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus a TNW, and is therfore jurisdictional.  th (Linear Feet):  Width (feet):  Acres:  |
| Reserve  3. Non-I  Non-with Leng Reserve   | tlands adjacent to TNWs:  d for Section III D 2 (RPWs):  RPWs that flow directly or indirectly into TNWs.  TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus a TNW, and is therfore jurisdictional.  th (Linear Feet):  Width (feet):  Acres:  |
| Reserve  3. Non-I  Non-with Leng Reserve   | tlands adjacent to TNWs:  d for Section III D 2 (RPWs):  RPWs that flow directly or indirectly into TNWs.  TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus a TNW, and is therfore jurisdictional.  th (Linear Feet):  Width (feet):  Acres:  ed for Section III D 4 (Wetlands directly abutting RPWs):   |
| Reserve  3. Non-I  Non-with Leng Reserve Reserve 6. Wetl Weth                                    | tlands adjacent to TNWs:  d for Section III D 2 (RPWs):  RPWs that flow directly or indirectly into TNWs.  TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus a TNW, and is therfore jurisdictional.  th (Linear Feet):  Width (feet):  Acres:  d for Section III D 4 (Wetlands directly abutting RPWs):  d for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  ands adjacent to non-RPWs that flow directly or indirectly into TNWs.  cland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, a significant nexus with the TNW.   |
| Reserve  3. Non-I  Non-with Leng Reserve 6. Wetl Wet has Estin                                   | tlands adjacent to TNWs:  d for Section III D 2 (RPWs):  RPWs that flow directly or indirectly into TNWs.  TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus a TNW, and is therfore jurisdictional.  th (Linear Feet):  Width (feet):  Acres:  d for Section III D 4 (Wetlands directly abutting RPWs):  d for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  ands adjacent to non-RPWs that flow directly or indirectly into TNWs.  cland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands,   |
| Reserve  3. Non-I  Non-with Leng Reserve 6. Wetl Wet has Estin 7. Impo                           | tlands adjacent to TNWs:  d for Section III D 2 (RPWs):  RPWs that flow directly or indirectly into TNWs.  TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus a TNW, and is therfore jurisdictional.  th (Linear Feet):  Width (feet):  Acres:  d for Section III D 4 (Wetlands directly abutting RPWs):  d for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  ands adjacent to non-RPWs that flow directly or indirectly into TNWs.  cland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, a significant nexus with the TNW.  mated size of jurisdictional wetland (in acres):   |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 6G  |   |  |  |
|---|---|--|--|
| As described in Section 3C possess a significant nexus  | · · · · · · · · · · · · · · · · · · ·                             | meral drainage determined that it did not  |  |
| Explain finding of Other:   |   |  |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>  | 3127.72 linear feet (ft),<br>acres<br>acres                       | 11.01 width (ft)                           |  |
| SECTION IV: DATA SOURCES  |   |  |  |
| ✓ Data Sheets Prepared/ ☐ Office Concurs with   | Submitted on behalf of Applicant                                  | sultant: WestLand Resources, Inc.          |  |
| <ul> <li>□ Data Sheets Prepared I</li> <li>□ Corps Navigable Water</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit</li> </ul> | Study<br>lydrologic Atlas   |  |  |
|   | Nap(s) Scale and Quad Name:<br>ins SE, North Komelik, and Santa F | Rosa Mountains NW 7.5-Minute Quadrangles   |  |
| □ USDA Nat'l Res Conser □ National Wetlands Inve □ State/Local Wetland In □ FEMA/FIR Maps □ 100-year Floodplain Ele   | ventory Maps  | (National Geodetic Vertical Datum of 1929) |  |
|   | Name and Date): BING, Microsoft                                   |  |  |
|   | Name and Date): Ground Photos;                                    |  |  |
| <ul> <li>Previous Determinatio</li> <li>Applicable/Supporting</li> <li>Applicable/Supporting</li> <li>Other Information, Ple</li> </ul>                                 | Scientific Literature Citation:                                   | se Letter:                                 |  |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>     |                   |                                      |                |                      |
|---|-------------------|-------------------|--------------------------------------|----------------|----------------------|
| A. Report Completion Date for App   | roved Jurisdict   | ional Determin    | ation: 07/30,                        | /2012          |                      |
| B. District Office and File No: Los   | Angeles Distric   | t, File No. Pend  | ing                                  |                |                      |
| C. Project Location and Background  | d Information:    | Drainage Fea      | ture 6G1                             |                |                      |
| City, County, State Sif Oidak Dis   | strict, Tohono (  | D'odham Natior    | n, Pima and Pina                     | al Counties, A | rizona               |
| Center coordinates of site: Lat.  | 32.5073           | Long1             | 11.9100                              |                |                      |
| Name of nearest waterbody: Un   | named Wash 6      | G1                |                                      |                |                      |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River b   | oetween Power     | s Butte and Gill                     | espie Dam      |                      |
| ✓ Map/Diagram of potential juris  | dictional area is | s available on re | equest                               |                |                      |
| D. Review Performed for Site Evalu  | ation:            |                   |                                      |                |                      |
| Office Determination. Date:   |                   |                   |                                      |                |                      |
| Field Determination. Date: 05/2   | 2012              |                   |                                      |                |                      |
| SECTION II: SUMMARY OF FINDIN   | GS                |                   |                                      |                |                      |
| A. RHA Section 10 Determination   |                   |                   |                                      |                |                      |
| There Are No "navigable waters  | of the U.S." w    | ithin RHA juriso  | liction in the rev                   | view area.     |                      |
| B. CWA Section 404 Determination  | n of Jurisdictio  | n                 |                                      |                |                      |
| There Are No "waters of the   | ne U.S." within   | CWA jurisdictio   | n in the review                      | area.          |                      |
| 1. Waters of the US:  |                   |                   |                                      |                |                      |
| Linear Feet   |                   | Width (ft) and,   | /or                                  | Acres          |                      |
| Limits of Jurisdiction based on:  |                   |                   |                                      |                |                      |
| 2. Non-Regulated Waters/Wet  ✓ Potentially jurisdictional wa                        |                   | etlands were as   | sessed and dete                      | ermined not t  | o be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a    | significant nexu  | s with a downs                       |                | •                    |
| SECTION III: CWA ANALYSIS   |                   |                   |                                      |                |                      |
| A. TNWs AND WETLANDS ADJACE   | ENT TO TNWs       |                   |                                      |                |                      |
| 1. Identified TNW:  |                   |                   |                                      |                |                      |
| Rationale for TNW determinat  | ion:              |                   |                                      |                |                      |
| 2. Rationale for conclusion tha   | t any wetlands    | present are "a    | djacent":                            |                |                      |
| B. CHARACTERISTICS OF NON-TN  | N TRIBUTARY A     | AND ITS ADJACE    | NT WETLANDS                          |                |                      |
| TNW Watershed Size (sq mi):   | 49650             |                   | es flow to TNW:                      |                | 4                    |
| Drainage Area (sq mi):  | 0.00006           |                   | es from tributai                     | •              | 30 (or more)         |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 8.5<br>0          |                   | es from tributaı<br>les from tributa | •              | 30 (or more)         |
| , werage / imaar showlan (iii).   |                   |                   | les from tributa                     | •              | (3. 111010)          |
| ☐ Project waters cross or serv  | ve as state bour  | ndaries. Expl     | ain:                                 |                |                      |

Feature ID: 6G1

| •  | within the Analys  |                                     | ultimately tributary to the Santa Rosa Wash. Topography<br>Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|--|--|-------------------------------------|---|
| Fributary is: Natural  | Explain:   |                                     |   |
| Average Width (ft):  | 6.13   |                                     |   |
|  | 1  |                                     |   |
| werage Depth (1t):   | -  |                                     |   |
| Average Depth (ft): Average Side Slopes: Primary tributary sub  Silts  Sands         | 2:1<br>strate compositi  | •                                   |   |
| verage Side Slopes:  rimary tributary sub Silts Sands Concrete N                     | 2:1  strate compositi  Cobbles  fuck Other,                    | ☐ Bedro                             |   |
| verage Side Slopes: rimary tributary sub Silts Sands Concrete N ributary Condition/S | 2:1 strate composition Cobbles Auck Other, stability. Explain: | ☐ Bedro Explain:  Stable            | ock ☑ Gravel ☐ Vegetation   |
| verage Side Slopes: rimary tributary sub Silts Sands Concrete N                      | 2:1 strate composition Cobbles Auck Other, stability. Explain: | Bedro Explain:  Stable es. Explain: |   |

| Tributary Provides for: Ep     |                |                               |                     |            |                  |  |
|--------------------------------|----------------|-------------------------------|---------------------|------------|------------------|--|
|                                | hemeral Flow   | Average                       | Flow Events per y   | ear:       | 2-5              |  |
| Describe Flow Regime: Ep       | hemeral        | Other Information on Duration |                     |            | Volume:          |  |
| Surface Flow is: Co            | nfined         | Characteristics:              |                     |            |                  |  |
| Subsurface Flow: No            | )              | Explain:                      |                     |            |                  |  |
| Tributary Has:                 |                |                               |                     |            |                  |  |
| D Bed and Banks                |                |                               |                     |            |                  |  |
| ✓ OHWM: OHWM Indica            | tors:          |                               |                     |            |                  |  |
| ☐ Clear, natural line imp      |                | □ V                           | egetation matted    | d down, b  | ent or absent    |  |
| ✓ Changes in soil charac       |                |                               | eaf litter disturbe | -          |                  |  |
| ☐ Shelving                     |                | □ P                           | resence of litter a | and debri  | S                |  |
| $\square$ Sediment deposition  |                | <b>✓</b> [                    | estruction of terr  | estrial ve | getation         |  |
| Sediment sorting               |                |                               | Abrupt change in p  | olant com  | munity           |  |
| ☐ Scour                        |                |                               | Aultiple observed   | or predi   | cted flow events |  |
| ☐ Presence of wrack line       | 9              | □ V                           | Vater staining      |            |                  |  |
| Other (list):                  |                |                               |                     |            |                  |  |
| ☐ Discontinuous? Expla         | in:            |                               |                     |            |                  |  |
| (iii) Chemical Characteristics | ••             |                               |                     |            |                  |  |
|                                | <b>'•</b>      |                               |                     |            |                  |  |
| Characterize Tributary:        |                |                               |                     |            |                  |  |
|                                | nts, if known: |                               |                     |            |                  |  |

| iv) Biological Characterist  | ics. Channel supports (check all that apply):                                |
|--|--|
| ☐ Riparian Corridor(   | Characteristics:   |
| ☐ Wetland Fringe Ch  | aracteristics:   |
| Habitat for:   |  |
| ☐ Federally Listed Spe   | ecies Explain:   |
| ☐ Fish/Spawn Areas   | Explain:   |
| • •  | ally -sensitive species Explain:   |
| ☐ Aquatic/Wildlife div   | versity Explain:   |
|  | and a discount to the Tanal about flowed in sale, as in discount, into Tanal |
| <ol><li>Characteristics of Wetla<br/>(i) Physical Characteristics</li></ol>            | ands adjacent to non-TNW that flow directly or indirectly into TNW :         |
| Wetland Size (ac):   | Wetland Type, Explain:   |
| Wetland Quality, Expla   | ain:   |
| Project Wetlands Cros  | ss or Serve as State Boundaries, Explain:                                    |
| Wetland Flow is:   | Explain:   |
| Surface Flow is:   | Characteristics:   |
| Subsurface Flow:   | Explain Findings:  |
| $\square$ Wetland Directly Ab  |  |
| Wetland Not Direct   |  |
|  | hydrologic connection Explain:   |
| Ecologcal connec   |  |
| ☐ Separated by ber   |  |
| Project Wetlands: Rive   |  |
| Project Wetlands: Aer  | ial Miles from TNW:  |
| Flow is From:  | of Wattend within Floodulein.  |
| Approximate Location   | of Wetland within Floodplain:  |
| ii) Chemical Characteristic  | cs:  |
| Characterize Wetland   | System:  |
| (iii) Biological Characterist  | ics. Wetland supports (check all that apply):                                |
| ☐ Riparian Buffer E  | xplain:  |
| •  | ercent cover. Explain:   |
| Habitat for:   |  |
| ☐ Federally Listed S   | Species Explain:   |
| ☐ Fish/Spawn Area  | s Explain:   |
|  | entally-sensitive species Explain:   |
| · ·  |  |
| • •  | Diversity Explain:   |
| ☐ Other environme☐ Aquatic/Wildlife  | Diversity Explain: etlands adjacent to the non-TNW tributary (if any)        |
| ☐ Other environme☐ Aquatic/Wildlife  3. Characteristics of all we                      | etlands adjacent to the non-TNW tributary (if any)                           |
| Other environmed Aquatic/Wildlife  3. Characteristics of all we All wetland(s) conside |  |

| C. SIGNIFICANT NEXUS DETERMINATION   |   |
|--|---|
| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or into TNW. Explain:   | directly  |
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a signific downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggest possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutant critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNI drainage does not have more than a speculative or insubstantial effect on the physical, chemical, a biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a snexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. | d<br>cant<br>sts that the<br>ts or<br>ainage<br>W. This<br>and/or |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows or indirectly into TNW. Explain:  | directly  |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the R Explain:   | RPW.  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):   |   |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  |   |
| ☐ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signfican with a TNW, and is therfore jurisdictional.   | t nexus   |
| Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |   |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |   |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   |   |
| <ul> <li>Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent whas a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres):</li> </ul>  | vetlands,   |
| 7. Impoundments of jurisdictional waters.  |   |
| Demonstration of Jurisdiction:   |   |
| E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION WHICH COULD AFFECT INTERSTATE COMMERCE  | ON OF   |
| Supporting rationale:  |   |
| Length (linear feet): Acres:   |   |

## F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 6G1  |  |
|--|--|
|  | Section 3C1 above, an analysis of this ephemeral drainage determined that it did not icant nexus with the nearest TNW.   |
| Explain finding of   | of Other:  |
| <ul><li>✓ Non-wetland</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>                            |  |
| SECTION IV: DATA S   | SOURCES  |
| Data Sheets ☐ Office Co ☐ Office Do ☐ Data Sheets ☐ Corps Naviga ☐ US Geologica ☐ USGS NH ☐ USGS 8 a | Prepared/Submitted by Applicant/Consultant:  Prepared/Submitted on behalf of Applicant oncurs with delineation  Prepared by the Corps  able Water Study  al Survey Hydrologic Atlas  HD Data  and 12 digit HUC Map  al Survey Map(s) Scale and Quad Name:  eef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles |
| <ul><li>□ National We</li><li>□ State/Local N</li><li>□ FEMA/FIR</li><li>□ 100-year Flo</li></ul>    | Res Conservation Service Soil Survey Citation:  etlands Inventory Maps Cite Map Name:  Wetland Inventory Maps  Maps  bodplain Elevation is: (National Geodetic Vertical Datum of 1929)  fographs (Name and Date): BING, Microsoft Virtual Earth 2008   |
|  | ographs (Name and Date): Ground Photos; May 2012   |
| ☐ Previous Det   | terminations File No. and Date of Response Letter:   |
|  | Supporting Case Law Citation: Supporting Scientific Literature Citation:   |

Other Information, Please Specify:

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>    |                           |   |                          |
|--|------------------|---------------------------|---|--------------------------|
| A. Report Completion Date for App  | roved Jurisdic   | tional Determination:     | 07/30/2012                              |                          |
| B. District Office and File No: Los  | Angeles Distric  | ct, File No. Pending      |   |                          |
| C. Project Location and Background   | d Information:   | Drainage Feature 61       | 1                                       |                          |
| City, County, State Sif Oidak Dis  | trict, Tohono    | O'odham Nation, Pima      | and Pinal Counties                      | s, Arizona               |
| Center coordinates of site: Lat. 3   | 32.5073          | Long111.9100              |   |                          |
| Name of nearest waterbody: Unr   | named Wash 6     | H                         |   |                          |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | V: Gila River    | between Powers Butte      | and Gillespie Dam                       | 1                        |
| ✓ Map/Diagram of potential juriso  | dictional area i | s available on request    |   |                          |
| D. Review Performed for Site Evalu   | ation:           |                           |   |                          |
| Office Determination. Date:  |                  |                           |   |                          |
| Field Determination. Date: 05/2  | 2012             |                           |   |                          |
| SECTION II: SUMMARY OF FINDING   | GS               |                           |   |                          |
| A. RHA Section 10 Determination  |                  |                           |   |                          |
| There Are No "navigable waters   | of the U.S." w   | vithin RHA jurisdiction i | n the review area.                      |                          |
| B. CWA Section 404 Determinatio  | n of Jurisdictio | on                        |   |                          |
| There Are No "waters of the  | e U.S." within   | CWA jurisdiction in the   | review area.                            |                          |
| 1. Waters of the US:   |                  |                           |   |                          |
| Linear Feet  |                  | Width (ft) and/or         | Acres                                   |                          |
| Limits of Jurisdiction based on:   |                  |                           |   |                          |
| <ol> <li>Non-Regulated Waters/Wetl</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                  | etlands were assessed a   | and determined no                       | ot to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne    | it possessed a   | significant nexus with a  |   | -                        |
| SECTION III: CWA ANALYSIS  |                  |                           |   |                          |
| A. TNWs AND WETLANDS ADJACE  | NT TO TNWs       |                           |   |                          |
| 1. Identified TNW:   |                  |                           |   |                          |
| Rationale for TNW determinat   | ion:             |                           |   |                          |
| 2. Rationale for conclusion tha  | t any wetlands   | s present are "adjacent   | ":                                      |                          |
| B. CHARACTERISTICS OF NON-TNV  | W TRIBUTARY      | AND ITS ADJACENT WE       | TLANDS                                  |                          |
| TNW Watershed Size (sq mi):  | 49650            | Tributaries flow          |   | 4                        |
| Drainage Area (sq mi):   | 0.00005<br>8.5   |                           | tributary to TNW                        |                          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                            | 0                |                           | tributary to RPW:<br>n tributary to TNW |                          |
|  | -                |                           | tributary to RPW                        |                          |
| ☐ Project waters cross or serv   | e as state bou   | ndaries. Explain:         |   |                          |

Feature ID: 6H

| ature ID: 6H   |   |   |                        |                   |   |
|--|---|---|------------------------|-------------------|---|
| Identify flow route to   | TNW:  |   |                        |                   |   |
| Unnamed drainages suggests the most lik River.                               | •   |   | •                      | •                 | osa Wash. Topography<br>uz Wash to the Gila |
| Tributary is: Natural  | Explain:  |   |                        |                   |   |
| Average Width (ft):  | 4.15  |   |                        |                   |   |
| Average Depth (ft):  | 1   |   |                        |                   |   |
|  |   |   |                        |                   |   |
| Average Side Slopes:<br>Primary tributary sub                                |   | on (check all tha                       | at apply):             |                   |   |
| Primary tributary sub  ✓ Silts □ Sands                                       | ostrate compositi   | Bedrock                                 | at apply):<br>✓ Gravel | $\Box$ Vegetation | 1   |
| Primary tributary sub  ✓ Silts □ Sands                                       | ostrate compositi   | •                                       |                        | □ Vegetation      | ı   |
| Primary tributary sub  ✓ Silts □ Sands                                       | ostrate compositi<br>Cobbles  Muck Other,                 | Bedrock                                 |                        | ☐ Vegetation      | 1   |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                        | ostrate compositi Cobbles Muck Other, Stability. Explain: | ☐ Bedrock  Explain:  Stable             |                        | □ Vegetation      | n   |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Tributary Condition/S | ostrate compositi Cobbles Muck Other, Stability. Explain: | Bedrock  Explain:  Stable s. Explain: N | ✓ Gravel               | □ Vegetation      | 1   |

| (c) Flow:                               |                      |            |           |              |            |                  |  |
|---|----------------------|------------|-----------|--------------|------------|------------------|--|
| Tributary Provides for:                 | Ephemeral Flow       | Average    | Flow Eve  | ents per ye  | ear:       | 2-5              |  |
| Describe Flow Regime:                   | Ephemeral            | Other Inf  | ormatio   | n on Dura    | tion and   | Volume:          |  |
| Surface Flow is:                        | Confined             | Characte   | ristics:  |              |            |                  |  |
| Subsurface Flow:                        | No                   | Explain:   |           |              |            |                  |  |
| Tributary Has:                          |                      |            |           |              |            |                  |  |
| ☐ Bed and Banks                         |                      |            |           |              |            |                  |  |
| ✓ OHWM: OHWM Inc                        | dicators:            |            |           |              |            |                  |  |
| $\square$ Clear, natural line i         | mpressed on the banl | · □ \      | /egetatio | on matted    | down, b    | ent or absent    |  |
| ✓ Changes in soil cha                   | racter               |            | -         | r disturbed  |            |                  |  |
| ☐ Shelving                              |                      | □ F        | resence   | of litter a  | nd debri   | S                |  |
| ☐ Sediment deposition                   | on                   | <b>✓</b> [ | Destructi | ion of terre | estrial ve | egetation        |  |
| Sediment sorting                        |                      |            | Abrupt cl | hange in p   | lant com   | nmunity          |  |
| ☐ Scour                                 |                      |            | Multiple  | observed     | or predi   | cted flow events |  |
| ☐ Presence of wrack                     | line                 | □ <b>\</b> | Water sta | aining       |            |                  |  |
| Other (list):                           |                      |            |           |              |            |                  |  |
| ☐ Discontinuous? Ex                     | xplain:              |            |           |              |            |                  |  |
| (iii) Chemical Characteris              | tics:                |            |           |              |            |                  |  |
| Characterize Tributai                   | ry:                  |            |           |              |            |                  |  |
| Identify Specific Pollu                 | •                    |            |           |              |            |                  |  |
| , | ,                    |            |           |              |            |                  |  |
|   |                      |            |           |              |            |                  |  |
|   |                      |            |           |              |            |                  |  |
|   |                      |            |           |              |            |                  |  |

| Feature ID: 6H  |           |
|---|-----------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                     |           |
| Riparian Corridor Characteristics:  |           |
| ☐ Wetland Fringe Characteristics:   |           |
| Habitat for:  |           |
| ☐ Federally Listed Species Explain:   |           |
| ☐ Fish/Spawn Areas Explain:   |           |
| ☐ Other environmentally -sensitive species Explain:   |           |
| ☐ Aquatic/Wildlife diversity Explain:   |           |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                  |           |
| (i) Physical Characteristics:   |           |
| Wetland Size (ac): Wetland Type, Explain:   |           |
| Wetland Quality, Explain:   |           |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |           |
| Wetland Flow is: Explain:   |           |
| Surface Flow is: Characteristics:   |           |
| Subsurface Flow: Explain Findings:  |           |
| ☐ Wetland Directly Abutting Non-TNW   |           |
| ☐ Wetland Not Directly Abutting Non-TNW   |           |
| ☐ Discrete wetland hydrologic connection Explain:   |           |
| ☐ Ecological connection Explain:  |           |
| ☐ Separated by berm/barrier Explain:  |           |
| Project Wetlands: River Miles from TNW:   |           |
| Project Wetlands: Aerial Miles from TNW:  |           |
| Flow is From:   |           |
| Approximate Location of Wetland within Floodplain:  |           |
| (ii) Chemical Characteristics:  |           |
| Characterize Wetland System:  |           |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                    |           |
|   |           |
| ☐ Riparian Buffer Explain: ☐ Vegetation type/percent cover. Explain:  |           |
| Habitat for:  |           |
| Federally Listed Species Explain:   |           |
| ☐ Fish/Spawn Areas Explain:   |           |
| ☐ Other environmentally-sensitive species Explain:  |           |
| ☐ Aquatic/Wildlife Diversity Explain:   |           |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                 |           |
|   |           |
| All wetland(s) considered in cumulative analysis:   |           |
| Wetland acres in total being considered in cumulative analysis:   |           |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fur | ictions): |
|   |           |
|   |           |

|  | RMINATION   |
|--|---|
| 1. Significant nexus findin into TNW. Explain:   | gs for non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and discharges, in combination downstream manmade impossibility of a hydrologic critical habitats were identical does not provide lifecycle drainage does not have metallicated biological integrity of the | drainage is located more than 100 river miles from the nearest TNW, the Gila River d Gillespie Dam. An analysis of peak yearly discharges and potential flood in with the geomorphology of the Analysis Area, the presence of a significant appoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the connection between this drainage and the TNW is tenuous. No pollutants or tified within the Analysis Area. Additionally, this unnamed ephemeral drainage support functions, nutrients, or organic carbon to species within the TNW. This ore than a speculative or insubstantial effect on the physical, chemical, and/or TNW. Therefore, this unnamed ephemeral drainage does not possess a significant in of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findin or indirectly into TNW. Ex   | ngs for non-RPW and its adjacent wetlands, where the non-RPW flows directly colors:   |
| 3. Significant nexus findin<br>Explain:  | ngs for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
| . DETERMINATIONS OF JUI  | RISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| 1. TNWs and Adjacent We  | etlands   |
| ☐ TNWs:  | Linear Feet Width (ft), Or, Acres   |
| Wetlands adjacent to   | TNWs: Acres   |
| Reserved for Section III D   | 2 (RPWs):   |
| 3. Non-RPWs that flow di   | irectly or indirectly into TNWs.  |
|  | vaterbody that flows directly or indirectly into a TNW and has a signficant nexus   |
| Length (Linear Feet):  | Width (feet): Acres:  |
| Reserved for Section III D   | 4 (Wetlands directly abutting RPWs):  |
| Reserved for Section III D   | 5 (Wetlands adjacent to but not directly abutting RPWs):  |
| 6. Wetlands adjacent to  | non-RPWs that flow directly or indirectly into TNWs.  |
| ☐ Wetland adjacent to r  | non-RPWs which, in combination with the tributary and other adjacent wetlands, s with the TNW.  |
| has a significant nexus  | edictional wetland (in acres):  |
| has a significant nexus<br>Estimated size of juris   | dictional wetland (in deres).   |
| •  |   |
| Estimated size of juris  | sdictional waters.  |
| Estimated size of juris  7. Impoundments of juris  Demonstration of Juris  | sdictional waters. isdiction:  JDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 6H  |  |
|---|--|
| As described in Section 3C possess a significant nexus  | C1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW.  |
| Explain finding of Other:   |  |
| ✓ Non-wetland waters  ☐ Other waters  | 348.04 linear feet (ft), 4.15 width (ft) acres   |
| ☐ Wetlands  | acres  |
| SECTION IV: DATA SOURCES  |  |
| ✓ Data Sheets Prepared/ ☐ Office Concurs with   | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  /Submitted on behalf of Applicant  h delineation  oncur with delineation |
| <ul><li>□ Data Sheets Prepared</li><li>□ Corps Navigable Water</li><li>□ US Geological Survey F</li><li>□ USGS NHD Data</li><li>□ USGS 8 and 12 digit</li></ul> | Hydrologic Atlas   |
|   | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                     |
| ☐ National Wetlands Inve<br>☐ State/Local Wetland In  |  |
| <ul><li>☐ FEMA/FIR Maps</li><li>☐ 100-year Floodplain Element</li></ul>   | levation is: (National Geodetic Vertical Datum of 1929)  |
|   | Name and Date): BING, Microsoft Virtual Earth 2008   |
| • • •   | Name and Date): Ground Photos; May 2012  |
| Applicable/Supporting   |  |
| ☐ Applicable/Supporting Other Information, Ple  |  |
| State anomation, the  |  |

| SECTION I: BACKGROUND INFORMA  | TION  |  |                       |
|--|---|--|-----------------------|
| A. Report Completion Date for Appro  | oved Jurisdictional Determination:  | 07/30/2012                                 |                       |
| B. District Office and File No: Los An   | ngeles District, File No. Pending   |  |                       |
| C. Project Location and Background I   | nformation: Drainage Feature 7  |  |                       |
| City, County, State Sif Oidak Distr  | ict, Tohono O'odham Nation, Pima  | and Pinal Counties, A                      | Arizona               |
| Center coordinates of site: Lat. 32.   | .5073 Long111.9100  | )  |                       |
| Name of nearest waterbody: Unna  | med Wash 7  |  |                       |
| Name of nearest downstream TNW:  | Gila River between Powers Butte   | and Gillespie Dam                          |                       |
| HUC Code: 15050306   |   |  |                       |
| ✓ Map/Diagram of potential jurisdic  | ctional area is available on request  |  |                       |
| D. Review Performed for Site Evaluat   | tion:   |  |                       |
| Office Determination. Date:  |   |  |                       |
| Field Determination. Date: 05/20   | 12  |  |                       |
| SECTION II: SUMMARY OF FINDINGS  | •   |  |                       |
| A. RHA Section 10 Determination of   | _   |  |                       |
|  | of the U.S." within RHA jurisdiction i  | n the review area.                         |                       |
| B. CWA Section 404 Determination   | ·   |  |                       |
|  | U.S." within CWA jurisdiction in the  | review area                                |                       |
| 1. Waters of the US:   | o.s. within evvi jurisaletion in the  | Teview area.                               |                       |
| Linear Feet  | Width (ft) and/or   | Acres                                      |                       |
| Limits of Jurisdiction based on:   | width (it) and/or   | Acies                                      |                       |
|  |   |  |                       |
| <ol> <li>Non-Regulated Waters/Wetlar</li> <li>Potentially jurisdictional wate</li> </ol> | nds:<br>ers and/or wetlands were assessed a   | and determined not                         | to be jurisdictional: |
| considered jurisdictional if it  | oes not qualify as a TNW or RPW. T possessed a significant nexus with a us with the downstream TNW. |  | •                     |
| SECTION III: CWA ANALYSIS  |   |  |                       |
| A. TNWs AND WETLANDS ADJACEN   | T TO TNWs   |  |                       |
| 1. Identified TNW:   |   |  |                       |
| Rationale for TNW determinatio   | n:  |  |                       |
| 2. Dationala for conducion that  |   | и.   |                       |
| 2. Rationale for conclusion that a   | any wetlands present are "adjacent  | ··:  |                       |
| B. CHARACTERISTICS OF NON-TNW  | TRIBUTARY AND ITS ADJACENT WE   | TLANDS                                     |                       |
| ` ' '  | Tributaries flow  |  | 4                     |
| •  |   | tributary to TNW:                          | 30 (or more)          |
| • , ,  |   | tributary to RPW:                          | 20 (05 )              |
| Average Annual Snowfall (in): 0  |   | n tributary to TNW:<br>n tributary to RPW: | 30 (or more)          |
| ☐ Project waters cross or serve  |   | ,  |                       |

Feature ID: 7

| Identify flow route to                                     | TNW:                                 |   |  |
|--|--------------------------------------|---|--|
| _  |                                      | -   | is Area are ultimately tributary to the Santa Rosa Wash. Topography ntial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural                                      |                                      | Explain:  |  |
| Average Width (ft):  | 20.03                                |   |  |
| Average Depth (ft):  | 1                                    |   |  |
| Average Side Slopes:                                       | 2:1                                  |   |  |
|  |                                      | Cabbles   | ☐ Bedrock ☑ Gravel ☐ Vegetation  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ N                             | ∐<br>⁄luck                           | Cobbles<br>Other, I                               | Ü  |
| ☐ Concrete ☐ M  Tributary Condition/S                      | /luck<br>Stability                   | Other, I  | Explain:  Stable   |
| ☐ Concrete ☐ N Tributary Condition/S Presence of Run/Riffl | Auck<br>Stability<br>e/Pool          | Other, I<br>. Explain:<br>Complexe                | Stable s. Explain: Not Present   |
| ☐ Concrete ☐ M  Tributary Condition/S                      | /luck<br>Stability<br>e/Pool<br>Rela | Other, I<br>. Explain:<br>Complexe<br>tively Stra | Stable s. Explain: Not Present ight  |

| (c) Flow:                    |                       | 1.              |            |             |           |                   |  |
|------------------------------|-----------------------|-----------------|------------|-------------|-----------|-------------------|--|
| Tributary Provides for:      | · ·                   | _               |            | ents per ye |           | 2-5               |  |
| Describe Flow Regime:        | •                     | Other Inf       | formatio   | n on Durat  | tion and  | d Volume:         |  |
| Surface Flow is:             | Confined              | Characte        | ristics:   |             |           |                   |  |
| Subsurface Flow:             | No                    | Explain:        |            |             |           |                   |  |
| Tributary Has:               |                       |                 |            |             |           |                   |  |
| ☐ Bed and Banks              |                       |                 |            |             |           |                   |  |
| ✓ OHWM: OHWM Inc             | dicators:             |                 |            |             |           |                   |  |
| ☐ Clear, natural line i      | impressed on the bank |                 | /egetatio  | n matted    | down, l   | bent or absent    |  |
| ✓ Changes in soil cha        | racter                |                 | eaf litter | disturbed   | or was    | shed away         |  |
| ☐ Shelving                   |                       | □ P             | resence    | of litter a | nd debr   | is                |  |
| ☐ Sediment deposition        | on                    | <b>~</b> [      | Destructi  | on of terre | estrial v | egetation         |  |
| Sediment sorting             |                       |                 | Abrupt ch  | nange in pl | lant con  | nmunity           |  |
| ☐ Scour                      |                       |                 | Multiple   | observed o  | or predi  | icted flow events |  |
| ☐ Presence of wrack          | line                  | □ \( \bullet \) | Water sta  | aining      |           |                   |  |
| Other (list):                |                       |                 |            |             |           |                   |  |
| ☐ Discontinuous? Ex          | rplain:               |                 |            |             |           |                   |  |
| (:::) Characiant Characteria | <b></b>               |                 |            |             |           |                   |  |
| (iii) Chemical Characteris   |                       |                 |            |             |           |                   |  |
| Characterize Tributai        |                       |                 |            |             |           |                   |  |
| Identify Specific Poll       | utants, if known:     |                 |            |             |           |                   |  |
|                              |                       |                 |            |             |           |                   |  |
|                              |                       |                 |            |             |           |                   |  |
|                              |                       |                 |            |             |           |                   |  |
|                              |                       |                 |            |             |           |                   |  |

| Feature ID: 7   |
|---|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |
| ☐ Riparian Corridor Characteristics:  |
| ☐ Wetland Fringe Characteristics:   |
| Habitat for:  |
| ☐ Federally Listed Species Explain:   |
| ☐ Fish/Spawn Areas Explain:   |
| ☐ Other environmentally -sensitive species Explain:   |
| ☐ Aquatic/Wildlife diversity Explain:   |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                          |
| (i) Physical Characteristics:   |
| Wetland Size (ac): Wetland Type, Explain:   |
| Wetland Quality, Explain:   |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |
| Wetland Flow is: Explain:   |
| Surface Flow is: Characteristics:   |
| Subsurface Flow: Explain Findings:  |
| ☐ Wetland Directly Abutting Non-TNW   |
| ☐ Wetland Not Directly Abutting Non-TNW   |
| ☐ Discrete wetland hydrologic connection Explain:   |
| ☐ Ecologcal connection Explain:   |
| ☐ Separated by berm/barrier Explain:  |
| Project Wetlands: River Miles from TNW:   |
| Project Wetlands: Aerial Miles from TNW:  |
| Flow is From:   |
| Approximate Location of Wetland within Floodplain:  |
| (ii) Chemical Characteristics:  |
| Characterize Wetland System:  |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |
| ☐ Riparian Buffer Explain:  |
| ☐ Vegetation type/percent cover. Explain:   |
| Habitat for:  |
| ☐ Federally Listed Species Explain:   |
| ☐ Fish/Spawn Areas Explain:   |
| ☐ Other environmentally-sensitive species Explain:  |
| ☐ Aquatic/Wildlife Diversity Explain:   |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |
| All wetland(s) considered in cumulative analysis:   |
| Wetland acres in total being considered in cumulative analysis:   |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions): |
| 2 33322 333. Westard (all 233.) asata tributary, 5322 in acres, overall stological, chemical or physical functions).  |
|   |
|   |

| Feature ID: 7   |  |
|---|--|
| C. SIGNIFICANT NEXUS DETERMINATION  |  |
| 1. Significant nexus findings for non-RPW that into TNW. Explain:   | has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gillespie Dam. An a discharges, in combination with the geomorph downstream manmade impoundment (Tat Mo possibility of a hydrologic connection between critical habitats were identified within the Anal does not provide lifecycle support functions, no drainage does not have more than a speculative | nore than 100 river miles from the nearest TNW, the Gila River analysis of peak yearly discharges and potential flood ology of the Analysis Area, the presence of a significant molikot Dam), and the distance to the TNW, suggests that the this drainage and the TNW is tenuous. No pollutants or lysis Area. Additionally, this unnamed ephemeral drainage utrients, or organic carbon to species within the TNW. This we or insubstantial effect on the physical, chemical, and/or unnamed ephemeral drainage does not possess a significant tween Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for non-RPW and or indirectly into TNW. Explain:  | its adjacent wetlands, where the non-RPW flows directly  |
| 3. Significant nexus findings for wetlands adja Explain:  | cent to an RPW but that do not directly abut the RPW.  |
| DETERMINATIONS OF HURISDICTIONAL FINISH   | NOC THE CHRIST WATERS (WET LANDS ARE   |
| <ol> <li>DETERMINATIONS OF JURISDICTIONAL FINDIN</li> <li>TNWs and Adjacent Wetlands</li> </ol>   | IGS. THE SUBJECT WATERS/WEILANDS ARE   |
| _   | Middle (ft) On   |
| ☐ TNWs: Linear Feet ☐ Wetlands adjacent to TNWs:  | Width (ft), Or, Acres  |
| - manus aujusana ta mma   | Acres  |
| Reserved for Section III D 2 (RPWs):  |  |
| 3. Non-RPWs that flow directly or indirectly in   |  |
| with a TNW, and is therfore jurisdictional.   | directly or indirectly into a TNW and has a signficant nexus   |
|   | n (feet): Acres:   |
| Reserved for Section III D 4 (Wetlands directly   | abutting RPWs):  |
| Reserved for Section III D 5 (Wetlands adjacer  | nt to but not directly abutting RPWs):   |
| 6. Wetlands adjacent to non-RPWs that flow  | directly or indirectly into TNWs.  |
| has a significant nexus with the TNW.   | combination with the tributary and other adjacent wetlands,  |
| Estimated size of jurisdictional wetland (in  | acres):  |
| 7. Impoundments of jurisdictional waters.   |  |
| Demonstration of Jurisdiction:  |  |
| E. ISOLATED WATERS, INCLUDING ISOLATED WE WHICH COULD AFFECT INTERSTATE COMMERCE  | TLANDS, THE USE, DEGRADATION OR DESTRUCTION OF   |
| Supporting rationale:  Length (linear feet): Acres:   |  |
| F. NON-JURISDICTIONAL WATERS, INCLUDING W   | VETLANDS:  |
| Non-Jurisdictional Waters:  |  |
| <del>-</del>  | tandard, where such a finding is required for jurisdiction.  |
| Explain finding of no Significant Nexus:  |  |

| As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW.  Explain finding of Other:  Non-wetland waters  Other waters  Wetlands  1227.20 linear feet (ft), 20.03 width (ft)  acres  acres |
|---|
| ✓ Non-wetland waters  ☐ Other waters  ☐ Wetlands  1227.20 linear feet (ft), acres acres   |
| ☐ Other waters ☐ Wetlands ☐ acres ☐ acres   |
| SECTION IV: DATA SOURCES  |
|   |
| <ul> <li>✓ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.</li> <li>✓ Data Sheets Prepared/Submitted on behalf of Applicant</li> <li>☐ Office Concurs with delineation</li> <li>☐ Office Does Not Concur with delineation</li> </ul>             |
| <ul> <li>□ Data Sheets Prepared by the Corps</li> <li>□ Corps Navigable Water Study</li> <li>□ US Geological Survey Hydrologic Atlas</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit HUC Map</li> </ul>   |
| ✓ US Geological Survey Map(s) Scale and Quad Name:  Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles   |
| USDA Nat'l Res Conservation Service Soil Survey Citation:  National Wetlands Inventory Maps Cite Map Name:  State/Local Wetland Inventory Maps  FEMA/FIR Maps  100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)   |
| ✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008  |
| ✓ Other Photographs (Name and Date): Ground Photos; May 2012  |
| Previous Determinations File No. and Date of Response Letter:   |
| Applicable/Supporting Case Law Citation:  |
| Applicable/Supporting Scientific Literature Citation: Other Information, Please Specify:  |

| SECTION I: BACKGROUND INFORMATION   |                           |
|---|---------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012   |                           |
| B. District Office and File No: Los Angeles District, File No. Pending  |                           |
| C. Project Location and Background Information: Drainage Feature 8  |                           |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Countie   | es, Arizona               |
| Center coordinates of site: Lat. 32.5073 Long111.9100   |                           |
| Name of nearest waterbody: Unnamed Wash 8   |                           |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Da  | m                         |
| HUC Code: 15050306  |                           |
| ✓ Map/Diagram of potential jurisdictional area is available on request  |                           |
| D. Review Performed for Site Evaluation:  |                           |
| Office Determination. Date:   |                           |
| Field Determination. Date: 05/2012  |                           |
|   |                           |
| SECTION II: SUMMARY OF FINDINGS   |                           |
| A. RHA Section 10 Determination of Jurisdiction   |                           |
| There Are No "navigable waters of the U.S." within RHA jurisdiction in the review area  | 1.                        |
| B. CWA Section 404 Determination of Jurisdiction  |                           |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.   |                           |
| 1. Waters of the US:  |                           |
| Linear Feet Width (ft) and/or Acres   |                           |
| Limits of Jurisdiction based on:  |                           |
| 2. Non-Regulated Waters/Wetlands:  ✓ Potentially jurisdictional waters and/or wetlands were assessed and determined in the second seco | not to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this draconsidered jurisdictional if it possessed a significant nexus with a downstream TN not possess a significant nexus with the downstream TNW.  | •                         |
| SECTION III: CWA ANALYSIS   |                           |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |                           |
| 1. Identified TNW:  |                           |
| Rationale for TNW determination:  |                           |
| 2. Deticated of an equal value that are constant on the discountly.   |                           |
| 2. Rationale for conclusion that any wetlands present are "adjacent":   |                           |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS   |                           |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:  | 4                         |
| Drainage Area (sq mi): 0.00065 River Miles from tributary to TNV  |                           |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPV Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNV  |                           |
| Average Annual Snowfall (in): 0 Aerial Miles from tributary to TNV Aerial Miles from tributary to RNV   |                           |
| ☐ Project waters cross or serve as state boundaries. Explain:   |                           |

Feature ID: 8

| Identify flow route to                                | TNW:                         |                     |  |
|---|------------------------------|---------------------|--|
| _   |                              | -                   | is Area are ultimately tributary to the Santa Rosa Wash. Topography ntial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural                                 |                              | Explain:            |  |
| Average Width (ft):                                   | 12.69                        |                     |  |
| Average Depth (ft):                                   | 1                            |                     |  |
| Average Side Slopes:                                  | 2:1                          |                     |  |
| Primary tributary sub                                 | strate o                     | composition         | on (check all that apply):   |
| ✓ Silts ☐ Sands                                       |                              | Cobbles             | on (check all that apply):    Bedrock Gravel Vegetation  Explain:  |
| ✓ Silts ☐ Sands                                       | <br>∕luck                    | Cobbles<br>Other, I | ☐ Bedrock ✓ Gravel ☐ Vegetation  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/S | ☐<br>⁄luck<br>Stability      | Cobbles Other, I    | ☐ Bedrock ☑ Gravel ☐ Vegetation  Explain:  Stable  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ N                        | /luck<br>Stability<br>e/Pool | Cobbles Other, I    | □ Bedrock  |

| (c) Flow:                  |                      |           |            |              |            |                  |   |
|----------------------------|----------------------|-----------|------------|--------------|------------|------------------|---|
| Tributary Provides for:    | Ephemeral Flow       | Average   | Flow Ev    | ents per ye  | ar:        | 2-5              |   |
| Describe Flow Regime:      | Ephemeral            | Other Inf | ormatic    | n on Durat   | ion and    | Volume:          |   |
| Surface Flow is:           | Confined             | Characte  | ristics:   |              |            |                  |   |
| Subsurface Flow:           | No                   | Explain:  |            |              |            |                  |   |
| Tributary Has:             |                      |           |            |              |            |                  |   |
| ☐ Bed and Banks            |                      |           |            |              |            |                  |   |
| ✓ OHWM: OHWM Inc           | dicators:            |           |            |              |            |                  |   |
| ☐ Clear, natural line i    | mpressed on the bank | :         | /egetati   | on matted    | down, b    | ent or absent    |   |
| ✓ Changes in soil cha      | racter               | □ L       | eaf litte. | r disturbed  | l or wasl  | ned away         |   |
| ☐ Shelving                 |                      | □ F       | resence    | of litter a  | nd debri   | S                |   |
| ☐ Sediment deposition      | on                   | ✓ [       | Destruct   | ion of terre | estrial ve | getation         |   |
| ✓ Sediment sorting         |                      |           | Abrupt c   | hange in pl  | ant com    | munity           |   |
| ☐ Scour                    |                      |           | Multiple   | observed o   | or predic  | cted flow events | 5 |
| ☐ Presence of wrack        | line                 | _ \       | Vater st   | aining       |            |                  |   |
| Other (list):              |                      |           |            |              |            |                  |   |
| ☐ Discontinuous? Ex        | xplain:              |           |            |              |            |                  |   |
| (iii) Chemical Characteris | tics:                |           |            |              |            |                  |   |
| Characterize Tributa       | ry:                  |           |            |              |            |                  |   |
| Identify Specific Poll     |                      |           |            |              |            |                  |   |
|                            |                      |           |            |              |            |                  |   |
|                            |                      |           |            |              |            |                  |   |
|                            |                      |           |            |              |            |                  |   |
|                            |                      |           |            |              |            |                  |   |

| Feature ID: 8   |        |
|---|--------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                       |        |
| Riparian Corridor Characteristics:  |        |
| ☐ Wetland Fringe Characteristics:   |        |
| Habitat for:  |        |
| ☐ Federally Listed Species Explain:   |        |
| ☐ Fish/Spawn Areas Explain:   |        |
| ☐ Other environmentally -sensitive species Explain:   |        |
| ☐ Aquatic/Wildlife diversity Explain:   |        |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                    |        |
| (i) Physical Characteristics:   |        |
| Wetland Size (ac): Wetland Type, Explain:   |        |
| Wetland Quality, Explain:   |        |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |        |
| Wetland Flow is: Explain:   |        |
| Surface Flow is: Characteristics:   |        |
| Subsurface Flow: Explain Findings:  |        |
| ☐ Wetland Directly Abutting Non-TNW   |        |
| ☐ Wetland Not Directly Abutting Non-TNW   |        |
| ☐ Discrete wetland hydrologic connection Explain:   |        |
| ☐ Ecologcal connection Explain:   |        |
| ☐ Separated by berm/barrier Explain:  |        |
| Project Wetlands: River Miles from TNW:   |        |
| Project Wetlands: Aerial Miles from TNW:  |        |
| Flow is From:   |        |
| Approximate Location of Wetland within Floodplain:  |        |
| (ii) Chemical Characteristics:  |        |
| Characterize Wetland System:  |        |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                      |        |
| ☐ Riparian Buffer Explain:  |        |
| ☐ Vegetation type/percent cover. Explain:   |        |
| Habitat for:  |        |
| ☐ Federally Listed Species Explain:   |        |
| ☐ Fish/Spawn Areas Explain:   |        |
| Other environmentally-sensitive species Explain:  |        |
| ☐ Aquatic/Wildlife Diversity Explain:   |        |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                   |        |
| All wetland(s) considered in cumulative analysis:   |        |
| Wetland acres in total being considered in cumulative analysis:   |        |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical funct | ions): |
|   |        |
|   |        |
|   |        |

| C. SIGNIFICANT NEXUS DETERMINA   | TION  |
|--|---|
| 1. Significant nexus findings for n into TNW. Explain:   | non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gilles discharges, in combination with the downstream manmade impounds possibility of a hydrologic connectivitical habitats were identified with does not provide lifecycle support drainage does not have more that biological integrity of the TNW. The discharge does not the the total content of the t | ge is located more than 100 river miles from the nearest TNW, the Gila River pie Dam. An analysis of peak yearly discharges and potential flood the geomorphology of the Analysis Area, the presence of a significant ment (Tat Momolikot Dam), and the distance to the TNW, suggests that the tion between this drainage and the TNW is tenuous. No pollutants or within the Analysis Area. Additionally, this unnamed ephemeral drainage to the tions, nutrients, or organic carbon to species within the TNW. This is a speculative or insubstantial effect on the physical, chemical, and/or therefore, this unnamed ephemeral drainage does not possess a significant Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for r or indirectly into TNW. Explain:   | non-RPW and its adjacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for vexual Explain:  | wetlands adjacent to an RPW but that do not directly abut the RPW.  |
| <ol> <li>DETERMINATIONS OF JURISDICT</li> <li>TNWs and Adjacent Wetlands</li> </ol>  | IONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| TNWs: Linear   | Feet Width (ft), Or, Acres  |
| ☐ TNWs: Linear   |   |
| _  | Acres   |
| ☐ TNWs: Linear ☐ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPW  | Acres<br>s):  |
| ☐ TNWs: Linear ☐ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly of Non-TNW/non-RPW waterbook   | Acres s): or indirectly into TNWs. dy that flows directly or indirectly into a TNW and has a signficant nexus   |
| ☐ TNWs: Linear ☐ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly of   | Acres s): or indirectly into TNWs. dy that flows directly or indirectly into a TNW and has a signficant nexus   |
| <ul> <li>□ TNWs: Linear</li> <li>□ Wetlands adjacent to TNWs:</li> <li>Reserved for Section III D 2 (RPW</li> <li>3. Non-RPWs that flow directly of the Non-TNW/non-RPW waterbook with a TNW, and is therfore justices</li> </ul>  | Acres s): or indirectly into TNWs. dy that flows directly or indirectly into a TNW and has a signficant nexus urisdictional.  Width (feet):  Acres:   |
| □ TNWs: Linear □ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly of the section   | Acres s): or indirectly into TNWs. dy that flows directly or indirectly into a TNW and has a signficant nexus urisdictional.  Width (feet):  Acres:   |
| □ TNWs: Linear □ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly of the section   | Acres s):  or indirectly into TNWs.  dy that flows directly or indirectly into a TNW and has a signficant nexus urisdictional.  Width (feet): Acres:  |
| □ TNWs: Linear □ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly of the section   | Acres s):  or indirectly into TNWs.  dy that flows directly or indirectly into a TNW and has a signficant nexus urisdictional.  Width (feet): Acres:  clands directly abutting RPWs): clands adjacent to but not directly abutting RPWs):  Ws that flow directly or indirectly into TNWs.  Ws which, in combination with the tributary and other adjacent wetlands,   |
| □ TNWs: Linear □ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly of the section III D 2 (RPW  □ Non-TNW/non-RPW waterbook with a TNW, and is therfore jutter Length (Linear Feet): Reserved for Section III D 4 (Wetter Reserved for Section III D 5 (Wetter Reserved  | Acres  or indirectly into TNWs.  dy that flows directly or indirectly into a TNW and has a signficant nexus arisdictional.  Width (feet):  clands directly abutting RPWs):  clands adjacent to but not directly abutting RPWs):  Ws that flow directly or indirectly into TNWs.  Ws which, in combination with the tributary and other adjacent wetlands, the TNW.  |
| □ TNWs: Linear □ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly of the section   | Acres s):  or indirectly into TNWs.  dy that flows directly or indirectly into a TNW and has a signficant nexus urisdictional.  Width (feet):  clands directly abutting RPWs): clands adjacent to but not directly abutting RPWs):  Ws that flow directly or indirectly into TNWs.  Ws which, in combination with the tributary and other adjacent wetlands, the TNW.  all wetland (in acres):  |
| □ TNWs: Linear □ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly of the section III D 2 (RPW  Non-TNW/non-RPW waterbook with a TNW, and is therfore jute Length (Linear Feet):  Reserved for Section III D 4 (Wether Reserved for Section III D 5 (Wether Reserved fo  | Acres s): or indirectly into TNWs. dy that flows directly or indirectly into a TNW and has a signficant nexus urisdictional.  Width (feet): Clands directly abutting RPWs): Clands adjacent to but not directly abutting RPWs): Ws that flow directly or indirectly into TNWs.  Ws which, in combination with the tributary and other adjacent wetlands, the TNW. all wetland (in acres):  Inal waters.   |
| □ TNWs: Linear □ Wetlands adjacent to TNWs: Reserved for Section III D 2 (RPW  3. Non-RPWs that flow directly of the section III D 2 (RPW  □ Non-TNW/non-RPW waterbook with a TNW, and is therfore jute Length (Linear Feet): Reserved for Section III D 4 (Wether Reserved for Section III D 5 (Wether Reserved f  | Acres s): or indirectly into TNWs. dy that flows directly or indirectly into a TNW and has a signficant nexus unisdictional.  Width (feet): Acres: clands directly abutting RPWs): clands adjacent to but not directly abutting RPWs): Ws that flow directly or indirectly into TNWs. Ws which, in combination with the tributary and other adjacent wetlands, the TNW. all wetland (in acres): all waters.  Discolated Wetlands, The USE, DEGRADATION OR DESTRUCTION OF  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 8  |  |
|--|--|
| As described in Section 3C possess a significant nexus   | c1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW.  |
| Explain finding of Other:  |  |
| ✓ Non-wetland waters  ☐ Other waters   | 1431.71 linear feet (ft), 12.69 width (ft) acres   |
| ☐ Wetlands   | acres  |
| SECTION IV: DATA SOURCES   |  |
| ✓ Data Sheets Prepared/  ☐ Office Concurs with   | Value Submitted by Applicant/Consultant: WestLand Resources, Inc.  (Submitted on behalf of Applicant of delineation of delinea |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas  |
| _  | Map(s) Scale and Quad Name:  |
| ,  | ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles   |
| ☐ USDA Nat'l Res Conser  | vation Service Soil Survey Citation:   |
| ☐ National Wetlands Inv  | entory Maps Cite Map Name:   |
| State/Local Wetland Ir   | iventory Maps  |
| ☐ FEMA/FIR Maps  | (National Condition Vertical Datum of 1020)  |
| <ul><li>☐ 100-year Floodplain El</li><li>☑ Aerial Photographs ()</li></ul>   | evation is: (National Geodetic Vertical Datum of 1929)  Name and Date): BING, Microsoft Virtual Earth 2008   |
| ,  | Name and Date): Ground Photos; May 2012  |
| _  | ns File No. and Date of Response Letter:   |
| ☐ Applicable/Supporting  |  |
| ☐ Applicable/Supporting  |  |
| Other Information, Ple   |  |

| SECTION I: BACKGROUND INFORMATION  |                           |
|--|---------------------------|
| A. Report Completion Date for Approved Jurisdictional Determination: 07/30/2012  |                           |
| B. District Office and File No: Los Angeles District, File No. Pending   |                           |
| C. Project Location and Background Information: Drainage Feature 9   |                           |
| City, County, State Sif Oidak District, Tohono O'odham Nation, Pima and Pinal Count  | ies, Arizona              |
| Center coordinates of site: Lat. 32.5073 Long111.9100  |                           |
| Name of nearest waterbody: Unnamed Wash 9  |                           |
| Name of nearest downstream TNW: Gila River between Powers Butte and Gillespie Da   | am                        |
| HUC Code: 15050306   |                           |
| ✓ Map/Diagram of potential jurisdictional area is available on request   |                           |
| D. Review Performed for Site Evaluation:   |                           |
| Office Determination. Date:  |                           |
| Field Determination. Date: 05/2012   |                           |
|  |                           |
| SECTION II: SUMMARY OF FINDINGS  |                           |
| A. RHA Section 10 Determination of Jurisdiction  There Are No "navigable waters of the U.S." within RHA jurisdiction in the review are   |                           |
| ·  | a.                        |
| B. CWA Section 404 Determination of Jurisdiction   |                           |
| There Are No "waters of the U.S." within CWA jurisdiction in the review area.  |                           |
| 1. Waters of the US:   |                           |
| Linear Feet Width (ft) and/or Acres  | ;                         |
| Limits of Jurisdiction based on:   |                           |
| <ul><li>2. Non-Regulated Waters/Wetlands:</li><li>✓ Potentially jurisdictional waters and/or wetlands were assessed and determined</li></ul>   | not to be jurisdictional: |
| Drainage is ephemeral and does not qualify as a TNW or RPW. Therefore, this dr considered jurisdictional if it possessed a significant nexus with a downstream Tl not possess a significant nexus with the downstream TNW. |                           |
| SECTION III: CWA ANALYSIS  |                           |
| A. TNWs AND WETLANDS ADJACENT TO TNWs  |                           |
| 1. Identified TNW:   |                           |
| Rationale for TNW determination:   |                           |
| 2. Patienale for conclusion that any wotlands present are "adjacent":  |                           |
| 2. Rationale for conclusion that any wetlands present are "adjacent":  |                           |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS  |                           |
| TNW Watershed Size (sq mi): 49650 Tributaries flow to TNW:   | 4                         |
| Drainage Area (sq mi): 0.00561 River Miles from tributary to TNV   |                           |
| Average Annual Rainfall (in): 8.5 River Miles from tributary to RPN Average Annual Snowfall (in): 0 Aerial Miles from tributary to TN  |                           |
| Average Affilial Showfall (III).  Aerial Miles from tributary to RP  |                           |
| Project waters cross or serve as state boundaries. Explain:  |                           |

Feature ID: 9

| Identify flow route to   |  |                     |                                    |                 |      |      |           |  |
|--|--|---------------------|------------------------------------|-----------------|------|------|-----------|--|
| Unnamed drainages v<br>suggests the most lik<br>River.                       |  |                     |                                    | •               |      |      |           |  |
| Tributary is: Natural  |  | Explain:            |                                    |                 |      |      |           |  |
| Average Width (ft):  | 16.97  |                     |                                    |                 |      |      |           |  |
| Average Depth (ft):  | 1  |                     |                                    |                 |      |      |           |  |
| Average Side Slopes:   | 2.1  |                     |                                    |                 |      |      |           |  |
|  |  | ompositio           | on (check al                       | l that apply)   | :    |      |           |  |
| Primary tributary sub  Silts Sands   | ostrate d  | Cobbles             | ☐ Bedro                            |                 |      | □ Ve | egetation |  |
| Primary tributary sub  Silts Sands   | ostrate o  | ·                   | ☐ Bedro                            |                 |      | □ V€ | egetation |  |
| Primary tributary sub  ☑ Silts ☐ Sands ☐ Concrete ☐ N                        | ostrate o  | Cobbles<br>Other, I | ☐ Bedro                            |                 |      | □ V€ | egetation |  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Fributary Condition/S | ostrate o  Muck Stability  | Cobbles Other, I    | ☐ Bedro                            |                 | avel | □ V€ | egetation |  |
| Primary tributary sub  Silts Sands   | ostrate of the contract of the | Cobbles Other, I    | Bedro Explain:  Stable s. Explain: | ock <b>⊻</b> Gr | avel | □ V€ | egetation |  |

| (c) Flow:                  |   |          |                  |              |                   |  |
|----------------------------|---|----------|------------------|--------------|-------------------|--|
| Tributary Provides for:    | Ephemeral Flow                                      | Average  | Flow Events pe   | er year:     | 2-5               |  |
| Describe Flow Regime:      | Ephemeral Other Information on Duration and Volume: |          |                  | d Volume:    |                   |  |
| Surface Flow is:           | Confined  | Characte | eristics:        |              |                   |  |
| Subsurface Flow:           | No  | Explain: |                  |              |                   |  |
| Tributary Has:             |   |          |                  |              |                   |  |
| ☐ Bed and Banks            |   |          |                  |              |                   |  |
| ✓ OHWM: OHWM Inc           | dicators:   |          |                  |              |                   |  |
| ☐ Clear, natural line      | impressed on the bank                               | :        | Vegetation mat   | ted down,    | bent or absent    |  |
| ✓ Changes in soil cha      | racter  | □ l      | eaf litter distu | rbed or was  | shed away         |  |
| ☐ Shelving                 |   | □ F      | Presence of litt | er and debr  | ris               |  |
| ☐ Sediment deposition      | ☐ Sediment deposition                               |          | Destruction of   | errestrial v | egetation         |  |
| ✓ Sediment sorting         |   |          | Abrupt change    | in plant cor | nmunity           |  |
| ☐ Scour                    |   | l        | Multiple observ  | ed or pred   | icted flow events |  |
| ☐ Presence of wrack        | line  |          | Water staining   |              |                   |  |
| Other (list):              |   |          |                  |              |                   |  |
| ☐ Discontinuous? Ex        | cplain:   |          |                  |              |                   |  |
| (iii) Chemical Characteris | tics:   |          |                  |              |                   |  |
| Characterize Tributa       | ry:   |          |                  |              |                   |  |
| Identify Specific Poll     | utants, if known:                                   |          |                  |              |                   |  |
|                            |   |          |                  |              |                   |  |
|                            |   |          |                  |              |                   |  |
|                            |   |          |                  |              |                   |  |
|                            |   |          |                  |              |                   |  |

| Feature ID: 9  |       |
|--|-------|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |       |
| Riparian Corridor Characteristics:   |       |
| ☐ Wetland Fringe Characteristics:  |       |
| Habitat for:   |       |
| ☐ Federally Listed Species Explain:  |       |
| ☐ Fish/Spawn Areas Explain:  |       |
| ☐ Other environmentally -sensitive species Explain:  |       |
| ☐ Aquatic/Wildlife diversity Explain:  |       |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                     |       |
| (i) Physical Characteristics:  |       |
| Wetland Size (ac): Wetland Type, Explain:  |       |
| Wetland Quality, Explain:  |       |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |       |
| Wetland Flow is: Explain:  |       |
| Surface Flow is: Characteristics:  |       |
| Subsurface Flow: Explain Findings:   |       |
| ☐ Wetland Directly Abutting Non-TNW  |       |
| ☐ Wetland Not Directly Abutting Non-TNW  |       |
| ☐ Discrete wetland hydrologic connection Explain:  |       |
| ☐ Ecologcal connection Explain:  |       |
| ☐ Separated by berm/barrier Explain:   |       |
| Project Wetlands: River Miles from TNW:  |       |
| Project Wetlands: Aerial Miles from TNW:   |       |
| Flow is From:  |       |
| Approximate Location of Wetland within Floodplain:   |       |
| (ii) Chemical Characteristics:   |       |
| Characterize Wetland System:   |       |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                       |       |
| ☐ Riparian Buffer Explain:   |       |
| ☐ Vegetation type/percent cover. Explain:  |       |
| Habitat for:   |       |
| ☐ Federally Listed Species Explain:  |       |
| ☐ Fish/Spawn Areas Explain:  |       |
| Other environmentally-sensitive species Explain:   |       |
| ☐ Aquatic/Wildlife Diversity Explain:  |       |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                    |       |
| All wetland(s) considered in cumulative analysis:  |       |
| Wetland acres in total being considered in cumulative analysis:  |       |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functi | ons): |
|  |       |
|  |       |
|  |       |

| SIGNIFICANT NEXUS DETERMINAT   | TION   |
|--|--|
| 1. Significant nexus findings for no into TNW. Explain:  | on-RPW that has no adjacent wetlands and flows directly or indirectly  |
| between Powers Butte and Gillesp discharges, in combination with the downstream manmade impoundment possibility of a hydrologic connection critical habitats were identified with does not provide lifecycle support drainage does not have more than biological integrity of the TNW. The | is located more than 100 river miles from the nearest TNW, the Gila River ie Dam. An analysis of peak yearly discharges and potential flood e geomorphology of the Analysis Area, the presence of a significant ent (Tat Momolikot Dam), and the distance to the TNW, suggests that the on between this drainage and the TNW is tenuous. No pollutants or thin the Analysis Area. Additionally, this unnamed ephemeral drainage functions, nutrients, or organic carbon to species within the TNW. This a speculative or insubstantial effect on the physical, chemical, and/or erefore, this unnamed ephemeral drainage does not possess a significant sila River between Powers Butte and Gillespie Dam.   |
| 2. Significant nexus findings for no or indirectly into TNW. Explain:  | on-RPW and its adjacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for w Explain:   | etlands adjacent to an RPW but that do not directly abut the RPW.  |
| DETERMINATIONS OF HIRISDICTION   | ONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE   |
| 1. TNWs and Adjacent Wetlands  | STALL THE STALL ST |
| ☐ TNWs: Linear F   | eet Width (ft), Or, Acres  |
| Wetlands adjacent to TNWs:   | Acres  |
| Reserved for Section III D 2 (RPWs)  |  |
| 3. Non-RPWs that flow directly or  |  |
|  | y that flows directly or indirectly into a TNW and has a signficant nexus  |
| Reserved for Section III D 4 (Wetla  |  |
| Reserved for Section III D 5 (Wetla  | ands adjacent to but not directly abutting RPWs):  |
| 6. Wetlands adjacent to non-RPV  | s that flow directly or indirectly into TNWs.  |
| ☐ Wetland adjacent to non-RPW has a significant nexus with the Estimated size of jurisdictional  |  |
| 7. Impoundments of jurisdictiona   |  |
| Demonstration of Jurisdiction:   |  |
|  | OLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF  |
| HICH COULD AFFECT INTERSTATE   |  |
|  |  |
| Supporting rationale:  |  |

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 9   |   |
|---|---|
| As described in Section 3C1 possess a significant nexus   | above, an analysis of this ephemeral drainage determined that it did not with the nearest TNW.          |
| Explain finding of Other:   |   |
| ✓ Non-wetland waters  ☐ Other waters  ☐ Wetlands  | 9211.44 linear feet (ft), 16.97 width (ft) acres acres  |
| wettands  | acies   |
| SECTION IV: DATA SOURCES  |   |
| • •   |   |
| <ul> <li>□ Data Sheets Prepared b</li> <li>□ Corps Navigable Water</li> <li>□ US Geological Survey H</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit</li> </ul> | Study<br>ydrologic Atlas  |
| ✓ US Geological Survey M  | ap(s) Scale and Quad Name:  |
| Silver Reef Mountai   | ns SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                |
| ☐ USDA Nat'l Res Conserv  | ation Service Soil Survey Citation:   |
| $\ \square$ National Wetlands Inve  | ntory Maps Cite Map Name:   |
| State/Local Wetland Inv   | rentory Maps  |
| ☐ FEMA/FIR Maps   | (Notice of Constitution Part of 4020)   |
| <ul><li>☐ 100-year Floodplain Ele</li><li>✓ Aerial Photographs (N</li></ul>   | vation is: (National Geodetic Vertical Datum of 1929) ame and Date): BING, Microsoft Virtual Earth 2008 |
|   | ame and Date): Ground Photos; May 2012  |
|   | s File No. and Date of Response Letter:   |
| ☐ Applicable/Supporting (   |   |
| ☐ Applicable/Supporting S   |   |
| Other Information, Plea   |   |

| A. Report Completion Date for Approved Jurisdiction   | nal Determination:     | 07/30/2012                          |                     |
|---|------------------------|-------------------------------------|---------------------|
| B. District Office and File No: Los Angeles District, F   |                        | 07/30/2012                          |                     |
|   | Drainage Feature 9/    | <b>A</b>                            |                     |
| City, County, State Sif Oidak District, Tohono O'o  |                        |                                     | Arizona             |
| Center coordinates of site: Lat. 32.5073  | Long111.9100           |                                     |                     |
| Name of nearest waterbody: Unnamed Wash 9A  |                        |                                     |                     |
| Name of nearest downstream TNW: Gila River bet  | ween Powers Butte      | and Gillespie Dam                   |                     |
| HUC Code: 15050306  |                        |                                     |                     |
| ✓ Map/Diagram of potential jurisdictional area is a   | vailable on request    |                                     |                     |
| D. Review Performed for Site Evaluation:  |                        |                                     |                     |
| Office Determination. Date:   |                        |                                     |                     |
| Field Determination. Date: 05/2012  |                        |                                     |                     |
| SECTION II: SUMMARY OF FINDINGS   |                        |                                     |                     |
| A. RHA Section 10 Determination of Jurisdiction   |                        |                                     |                     |
| There Are No "navigable waters of the U.S." with  | in RHA jurisdiction in | n the review area.                  |                     |
| B. CWA Section 404 Determination of Jurisdiction  |                        |                                     |                     |
| There Are No "waters of the U.S." within CV   | VA jurisdiction in the | review area.                        |                     |
| 1. Waters of the US:  |                        |                                     |                     |
| Linear Feet W   | idth (ft) and/or       | Acres                               |                     |
| Limits of Jurisdiction based on:  |                        |                                     |                     |
| <ol> <li>Non-Regulated Waters/Wetlands:</li> <li>✓ Potentially jurisdictional waters and/or wetlands</li> </ol>                         | ands were assessed a   | and determined not                  | to be jurisdictiona |
| Drainage is ephemeral and does not qualify considered jurisdictional if it possessed a signot possess a significant nexus with the down | nificant nexus with a  | •                                   | •                   |
| SECTION III: CWA ANALYSIS   |                        |                                     |                     |
| A. TNWs AND WETLANDS ADJACENT TO TNWs   |                        |                                     |                     |
| 1. Identified TNW:  |                        |                                     |                     |
| Rationale for TNW determination:  |                        |                                     |                     |
| 2. Rationale for conclusion that any wetlands pr  | recent are "adjacent   | п,                                  |                     |
| ·   | •                      |                                     |                     |
| B. CHARACTERISTICS OF NON-TNW TRIBUTARY AN  |                        |                                     |                     |
| TNW Watershed Size (sq mi): 49650   | Tributaries flow       |                                     | 4<br>20 (or more)   |
| Drainage Area (sq mi): 0.00033  Average Annual Rainfall (in): 8.5   |                        | tributary to TNW: tributary to RPW: | 30 (or more)        |
| Average Annual Snowfall (in): 8.5  Average Annual Snowfall (in): 0  |                        | tributary to RPW:                   | 30 (or more)        |
| Average Annual Showfall (III).  |                        | tributary to TNW.                   | 30 (of filole)      |
|   |                        | •                                   |                     |

Feature ID: 9A

| ature ID: 9A  |   |   |
|---|---|---|
| Identify flow route to  | TNW:  |   |
| _   | •   | rsis Area are ultimately tributary to the Santa Rosa Wash. Topography ential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural   | Explain:  |   |
| Average Width (ft):   | 5.50  |   |
| Average Depth (ft):   | 1   |   |
|   |   |   |
| Average Side Slopes:<br>Primary tributary sub                     |   | tion (check all that apply):  |
| Primary tributary sub   | ostrate composition   | ☐ Bedrock ☑ Gravel ☐ Vegetation   |
| Primary tributary sub   | ostrate composition   |   |
| Primary tributary sub   | ostrate composition Cobbles  Muck Other,                      | ☐ Bedrock ☑ Gravel ☐ Vegetation , Explain:  |
| Primary tributary sub Silts Sands Concrete N Tributary Condition/ | ostrate composition Cobbles  Muck Other,  Stability. Explain: | ☐ Bedrock ☑ Gravel ☐ Vegetation  , Explain:  : Stable   |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N             | ostrate composition Cobbles  Muck Other,  Stability. Explain: | Bedrock ✓ Gravel □ Vegetation  , Explain:  Stable  kes. Explain: Not Present  |

| (c) Flow:                               |                       |  |   |              |          |               |  |
|---|-----------------------|--|---|--------------|----------|---------------|--|
| Tributary Provides for:                 | Ephemeral Flow        | Average                                    | Flow Eve  | ents per ye  | ar:      | 2-5           |  |
| Describe Flow Regime:                   | Ephemeral             | Other Inf                                  | ormatic   | n on Durat   | ion and  | Volume:       |  |
| Surface Flow is:                        | Confined              | Characte                                   | ristics:  |              |          |               |  |
| Subsurface Flow:                        | No                    | Explain:                                   |   |              |          |               |  |
| Tributary Has:                          |                       |  |   |              |          |               |  |
| ☐ Bed and Banks                         |                       |  |   |              |          |               |  |
| ✓ OHWM: OHWM Inc                        | dicators:             |  |   |              |          |               |  |
| ☐ Clear, natural line                   | impressed on the bank | $\square$ $\lor$                           | /egetati  | on matted    | down, b  | ent or absent |  |
| ✓ Changes in soil cha                   | aracter               |  | eaf litte.  | r disturbed  | or was   | hed away      |  |
| ☐ Shelving                              |                       | □ P  | resence   | of litter ar | nd debri | S             |  |
| ☐ Sediment deposition                   | on                    | Destruction of terrestrial vegetation      |   |              |          |               |  |
| ✓ Sediment sorting                      |                       | $\square$ Abrupt change in plant community |   |              |          |               |  |
| ☐ Scour                                 |                       |  | $\hfill \square$ Multiple observed or predicted flow events |              |          |               |  |
| ☐ Presence of wrack                     | line                  | □ \( \lambda \)                            | Vater st  | aining       |          |               |  |
| Other (list):                           |                       |  |   |              |          |               |  |
| ☐ Discontinuous? Ex                     | kplain:               |  |   |              |          |               |  |
| (iii) Chemical Characteris              | etics:                |  |   |              |          |               |  |
| Characterize Tributa                    | rv:                   |  |   |              |          |               |  |
| Identify Specific Poll                  | •                     |  |   |              |          |               |  |
| , |                       |  |   |              |          |               |  |
|   |                       |  |   |              |          |               |  |
|   |                       |  |   |              |          |               |  |
|   |                       |  |   |              |          |               |  |

| Feature ID: 9A  |                |
|---|----------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                 |                |
| Riparian Corridor Characteristics:  |                |
| ☐ Wetland Fringe Characteristics:   |                |
| Habitat for:  |                |
| ☐ Federally Listed Species Explain:   |                |
| ☐ Fish/Spawn Areas Explain:   |                |
| ☐ Other environmentally -sensitive species Explain:   |                |
| ☐ Aquatic/Wildlife diversity Explain:   |                |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW              |                |
| (i) Physical Characteristics:   |                |
| Wetland Size (ac): Wetland Type, Explain:   |                |
| Wetland Quality, Explain:   |                |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |                |
| Wetland Flow is: Explain:   |                |
| Surface Flow is: Characteristics:   |                |
| Subsurface Flow: Explain Findings:  |                |
| ☐ Wetland Directly Abutting Non-TNW   |                |
| ☐ Wetland Not Directly Abutting Non-TNW   |                |
| ☐ Discrete wetland hydrologic connection Explain:   |                |
| ☐ Ecologcal connection Explain:   |                |
| ☐ Separated by berm/barrier Explain:  |                |
| Project Wetlands: River Miles from TNW:   |                |
| Project Wetlands: Aerial Miles from TNW:  |                |
| Flow is From:   |                |
| Approximate Location of Wetland within Floodplain:  |                |
| (ii) Chemical Characteristics:  |                |
| Characterize Wetland System:  |                |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                |                |
|   |                |
| <ul><li>☐ Riparian Buffer Explain:</li><li>☐ Vegetation type/percent cover. Explain:</li></ul>            |                |
| Habitat for:  |                |
| Federally Listed Species Explain:   |                |
| ☐ Fish/Spawn Areas Explain:   |                |
| ☐ Other environmentally-sensitive species Explain:  |                |
| ☐ Aquatic/Wildlife Diversity Explain:   |                |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                             |                |
|   |                |
| All wetland(s) considered in cumulative analysis:   |                |
| Wetland acres in total being considered in cumulative analysis:   | from ation a): |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical | runctions):    |
|   |                |
|   |                |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila Rive between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  1. TNWs and Adjacent Wetlands  1. TNWs in Linear Feet   Width (ft), Or, Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  1. Acres:  Reserved for Section III D 2 (Wetlands adjacent to but not directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly into TNWs.  Wetland adjacent to non-RPWs which, in combination wi  | C. SIGNIFICANT NEXUS DETERMINATION  |   |
|--|---|---|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.  2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  1. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  1. TNWs:   Linear Feet   Width (ft), Or,   Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  1. Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet):   Width (feet):   Acres:   Acres:    Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  1. Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdicti |   | indirectly  |
| or indirectly into TNW. Explain:  3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:  DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW. Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  | between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential fl discharges, in combination with the geomorphology of the Analysis Area, the presence of a sign downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, sugge possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutic critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral does not provide lifecycle support functions, nutrients, or organic carbon to species within the drainage does not have more than a speculative or insubstantial effect on the physical, chemical biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess | ood<br>ificant<br>gests that the<br>ants or<br>drainage<br>TNW. This<br>I, and/or |
| Explain:  D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs:  Wetlands adjacent to TNWs:  Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  |   | s directly  |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  |   | e RPW.  |
| TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE   | . DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE   | 1. TNWs and Adjacent Wetlands   |   |
| Reserved for Section III D 2 (RPWs):  3. Non-RPWs that flow directly or indirectly into TNWs.    Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.   Length (Linear Feet):   Width (feet):   Acres:     Reserved for Section III D 4 (Wetlands directly abutting RPWs):   Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.   Estimated size of jurisdictional wetland (in acres):   7. Impoundments of jurisdictional waters.   Demonstration of Jurisdiction:     ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  | ☐ TNWs: Linear Feet Width (ft), Or, Acre  | es  |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a significant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE   | Wetlands adjacent to TNWs: Acres  |   |
| Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  | Reserved for Section III D 2 (RPWs):  |   |
| Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet):  Width (feet):  Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  | 3. Non-RPWs that flow directly or indirectly into TNWs.   |   |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  | $\square$ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signfic  | ant nexus   |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE   | Length (Linear Feet): Width (feet): Acres:  |   |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  | Reserved for Section III D 4 (Wetlands directly abutting RPWs):   |   |
| <ul> <li>□ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.         Estimated size of jurisdictional wetland (in acres):     </li> <li>7. Impoundments of jurisdictional waters.         Demonstration of Jurisdiction:     </li> <li>E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE</li> </ul>  | Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |   |
| has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  3. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE   | 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |   |
| 7. Impoundments of jurisdictional waters.  Demonstration of Jurisdiction:  E. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE  |   | t wetlands,   |
| Demonstration of Jurisdiction:  I. ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE   | Estimated size of jurisdictional wetland (in acres):  |   |
| . ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF VHICH COULD AFFECT INTERSTATE COMMERCE  | 7. Impoundments of jurisdictional waters.   |   |
| VHICH COULD AFFECT INTERSTATE COMMERCE   | Demonstration of Jurisdiction:  |   |
| Supporting rationale:  |   | TION OF   |
| Supporting rationale:  |   |   |
| Length (linear feet): Acres:   |   |   |
|  | F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:   |   |

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 9A   |
|--|
| As described in Section 3C1 above, an analysis of this ephemeral drainage determined that it did not possess a significant nexus with the nearest TNW.   |
| Explain finding of Other:  |
| ✓ Non-wetland waters  ☐ Other waters  ☐ Wetlands  1665.54 linear feet (ft), 5.50 width (ft)  acres  acres  |
| SECTION IV: DATA SOURCES   |
| <ul> <li>✓ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.</li> <li>✓ Data Sheets Prepared/Submitted on behalf of Applicant</li> <li>☐ Office Concurs with delineation</li> <li>☐ Office Does Not Concur with delineation</li> <li>☐ Data Sheets Prepared by the Corps</li> <li>☐ Corps Navigable Water Study</li> <li>☐ US Geological Survey Hydrologic Atlas</li> <li>☐ USGS NHD Data</li> <li>☐ USGS 8 and 12 digit HUC Map</li> </ul> |
| ✓ US Geological Survey Map(s) Scale and Quad Name:  Silver Reef Mountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles  |
| □ USDA Nat'l Res Conservation Service Soil Survey Citation: □ National Wetlands Inventory Maps Cite Map Name: □ State/Local Wetland Inventory Maps □ FEMA/FIR Maps   |
| ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)   |
| ✓ Aerial Photographs (Name and Date): BING, Microsoft Virtual Earth 2008   |
| ✓ Other Photographs (Name and Date): Ground Photos; May 2012   |
| <ul><li>□ Previous Determinations File No. and Date of Response Letter:</li><li>□ Applicable/Supporting Case Law Citation:</li></ul>   |
| Applicable/Supporting Case Law Citation:  Citation:  |
| Other Information, Please Specify:   |

| SECTION I: BACKGROUND INFORM  |                  |                            | 07/00/00/0                           |                       |
|---|------------------|----------------------------|--------------------------------------|-----------------------|
| A. Report Completion Date for App   |                  |                            | 07/30/2012                           |                       |
| B. District Office and File No: Los   |                  | -                          |                                      |                       |
| C. Project Location and Background  |                  |                            |                                      |                       |
| •   |                  | O'odham Nation, Pima       |                                      | Arizona               |
| Center coordinates of site: Lat.  |                  | Long111.9100               |                                      |                       |
| Name of nearest waterbody: Uni  | named Wash 9     | В                          |                                      |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                  | V: Gila River    | between Powers Butte       | and Gillespie Dam                    |                       |
| ✓ Map/Diagram of potential jurise   | dictional area i | s available on request     |                                      |                       |
| D. Review Performed for Site Evalu  | ation:           |                            |                                      |                       |
| Office Determination. Date:   |                  |                            |                                      |                       |
| Field Determination. Date: 05/2   | 2012             |                            |                                      |                       |
| SECTION II: SUMMARY OF FINDING  | GS               |                            |                                      |                       |
| A. RHA Section 10 Determination   |                  |                            |                                      |                       |
| There Are No "navigable waters  | of the U.S." w   | vithin RHA jurisdiction in | n the review area.                   |                       |
| B. CWA Section 404 Determination  | n of Jurisdictio | on                         |                                      |                       |
| There Are No "waters of the   | e U.S." within   | CWA jurisdiction in the    | review area.                         |                       |
| 1. Waters of the US:  |                  |                            |                                      |                       |
| Linear Feet   |                  | Width (ft) and/or          | Acres                                |                       |
| Limits of Jurisdiction based on:  |                  |                            |                                      |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                  | etlands were assessed a    | and determined not                   | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne   | it possessed a   | significant nexus with a   |                                      |                       |
| SECTION III: CWA ANALYSIS   |                  |                            |                                      |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs       |                            |                                      |                       |
| 1. Identified TNW:  |                  |                            |                                      |                       |
| Rationale for TNW determinat  | ion:             |                            |                                      |                       |
| 2. Rationale for conclusion tha   | t any wetlands   | s present are "adjacent    | ":                                   |                       |
| B. CHARACTERISTICS OF NON-TN\   | N TRIBUTARY A    | AND ITS ADJACENT WE        | TLANDS                               |                       |
| TNW Watershed Size (sq mi):   | 49650            | Tributaries flow           |                                      | 4                     |
| Drainage Area (sq mi):  | 0.00049          |                            | tributary to TNW:                    | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                           | 8.5<br>0         |                            | tributary to RPW:  tributary to TNW: | 30 (or more)          |
| Average Annual Showlan (III).   | U                |                            | tributary to TNW.                    | 30 (or more)          |
|   |                  |                            |                                      |                       |

Feature ID: 9B

| ature ID: 9B                         |   |  |
|--------------------------------------|---|--|
| Identify flow route to               | TNW:  |  |
|                                      | •   | is Area are ultimately tributary to the Santa Rosa Wash. Topography ntial flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural                | Explain:  |  |
| Average Width (ft):                  | 7.43  |  |
| Average Depth (ft):                  | 1   |  |
| Average Side Slopes:                 | 2:1   |  |
|                                      | ☐ Cobbles   | ☐ Bedrock ☑ Gravel ☐ Vegetation  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ N       |   | Explain:   |
|                                      | Muck Other, I   | Explain: Stable  |
| ☐ Concrete ☐ N                       | Muck Other, I   | Stable   |
| ☐ Concrete ☐ N Tributary Condition/S | Muck Other, I<br>Stability. Explain:<br>e/Pool Complexe | Stable es. Explain: Not Present  |

| (c) Flow:                  |                       |  |                     |
|----------------------------|-----------------------|--|---------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average Flow Events per year:                  | 2-5                 |
| Describe Flow Regime:      | Ephemeral             | Other Information on Duration                  | and Volume:         |
| Surface Flow is:           | Confined              | Characteristics:                               |                     |
| Subsurface Flow:           | No                    | Explain:                                       |                     |
| Tributary Has:             |                       |  |                     |
| ☐ Bed and Banks            |                       |  |                     |
| ✓ OHWM: OHWM Inc           | dicators:             |  |                     |
| ☐ Clear, natural line      | impressed on the bank | ☐ Vegetation matted dow                        | n, bent or absent   |
| Changes in soil cha        | aracter               | $\Box$ Leaf litter disturbed or $v$            | vashed away         |
| ☐ Shelving                 |                       | $\square$ Presence of litter and de            | ebris               |
| ☐ Sediment deposition      | on                    | Destruction of terrestria                      | al vegetation       |
| Sediment sorting           |                       | $\square$ Abrupt change in plant $\mathfrak c$ | community           |
| ☐ Scour                    |                       | $\square$ Multiple observed or pr              | edicted flow events |
| ☐ Presence of wrack        | line                  | $\square$ Water staining                       |                     |
| Other (list):              |                       |  |                     |
| ☐ Discontinuous? Ex        | kplain:               |  |                     |
| (iii) Chemical Characteris | itics:                |  |                     |
| Characterize Tributa       | ry:                   |  |                     |
| Identify Specific Poll     | •                     |  |                     |
| identity openior on        |                       |  |                     |
|                            |                       |  |                     |
|                            |                       |  |                     |
|                            |                       |  |                     |
|                            |                       |  |                     |

| Feature ID: 9B  |             |
|---|-------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                 |             |
| Riparian Corridor Characteristics:  |             |
| ☐ Wetland Fringe Characteristics:   |             |
| Habitat for:  |             |
| ☐ Federally Listed Species Explain:   |             |
| ☐ Fish/Spawn Areas Explain:   |             |
| ☐ Other environmentally -sensitive species Explain:   |             |
| ☐ Aquatic/Wildlife diversity Explain:   |             |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW              |             |
| (i) Physical Characteristics:   |             |
| Wetland Size (ac): Wetland Type, Explain:   |             |
| Wetland Quality, Explain:   |             |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |             |
| Wetland Flow is: Explain:   |             |
| Surface Flow is: Characteristics:   |             |
| Subsurface Flow: Explain Findings:  |             |
| ☐ Wetland Directly Abutting Non-TNW   |             |
| ☐ Wetland Not Directly Abutting Non-TNW   |             |
| ☐ Discrete wetland hydrologic connection Explain:   |             |
| ☐ Ecologcal connection Explain:   |             |
| ☐ Separated by berm/barrier Explain:  |             |
| Project Wetlands: River Miles from TNW:   |             |
| Project Wetlands: Aerial Miles from TNW:  |             |
| Flow is From:   |             |
| Approximate Location of Wetland within Floodplain:  |             |
| (ii) Chemical Characteristics:  |             |
| Characterize Wetland System:  |             |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                |             |
| ☐ Riparian Buffer Explain:  |             |
| ☐ Vegetation type/percent cover. Explain:   |             |
| Habitat for:  |             |
| ☐ Federally Listed Species Explain:   |             |
| ☐ Fish/Spawn Areas Explain:   |             |
| Other environmentally-sensitive species Explain:  |             |
| ☐ Aquatic/Wildlife Diversity Explain:   |             |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                             |             |
| All wetland(s) considered in cumulative analysis:   |             |
| Wetland acres in total being considered in cumulative analysis:   |             |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical | functions): |
|   |             |
|   |             |
|   |             |

| . SIGNIFICANT NEXUS DETERM  | NATION  |
|---|---|
| 1. Significant nexus findings for into TNW. Explain:  | or non-RPW that has no adjacent wetlands and flows directly or indirectly   |
| between Powers Butte and Gil<br>discharges, in combination wit<br>downstream manmade impour<br>possibility of a hydrologic conficient<br>critical habitats were identified<br>does not provide lifecycle supply<br>drainage does not have more<br>biological integrity of the TNW | hage is located more than 100 river miles from the nearest TNW, the Gila River lespie Dam. An analysis of peak yearly discharges and potential flood h the geomorphology of the Analysis Area, the presence of a significant indment (Tat Momolikot Dam), and the distance to the TNW, suggests that the flection between this drainage and the TNW is tenuous. No pollutants or divition the Analysis Area. Additionally, this unnamed ephemeral drainage port functions, nutrients, or organic carbon to species within the TNW. This chan a speculative or insubstantial effect on the physical, chemical, and/or and the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus findings for indirectly into TNW. Explai   | or non-RPW and its adjacent wetlands, where the non-RPW flows directly n:   |
| 3. Significant nexus findings for Explain:  | or wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| ☐ TNWs: Line ☐ Wetlands adjacent to TNV Reserved for Section III D 2 (RI  |   |
| 3. Non-RPWs that flow direct  |   |
|   | body that flows directly or indirectly into a TNW and has a signficant nexus  |
| Reserved for Section III D 4 (V   | Vetlands directly abutting RPWs):   |
| Reserved for Section III D 5 (V   | Vetlands adjacent to but not directly abutting RPWs):   |
| 6. Wetlands adjacent to non-  | RPWs that flow directly or indirectly into TNWs.  |
| <ul> <li>Wetland adjacent to non-<br/>has a significant nexus wit<br/>Estimated size of jurisdiction</li> </ul>   |   |
| 7. Impoundments of jurisdict  | ional waters.   |
| Demonstration of Jurisdic   | ion:  |
| . ISOLATED WATERS, INCLUDIN VHICH COULD AFFECT INTERST  | G ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF ATE COMMERCE  |
| Supporting rationale:   |   |
| Length (linear feet):   | Acres:  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 9B  |   |
|---|---|
| As described in Section 3C possess a significant nexus  | C1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW.                                       |
| Explain finding of Other:   |   |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>  | 1835.52 linear feet (ft), 7.43 width (ft) acres acres   |
| SECTION IV: DATA SOURCES  |   |
| ✓ Data Sheets Prepared/ ☐ Office Concurs with   | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  'Submitted on behalf of Applicant delineation  noticer with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Water</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas   |
| ✓ US Geological Survey N  | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                    |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul>                             |   |
| ☐ 100-year Floodplain El  | evation is: (National Geodetic Vertical Datum of 1929)  |
| - · · · ·   | Name and Date): BING, Microsoft Virtual Earth 2008  |
|   | Name and Date): Ground Photos; May 2012   |
| <ul><li>☐ Previous Determinatio</li><li>☐ Applicable/Supporting</li></ul>   | ons File No. and Date of Response Letter: Case Law Citation:  |
| ☐ Applicable/Supporting   |   |
| Other Information, Ple  |   |

| A. Report Completion Date for App  | roved Jurisdictional Determination:  | 07/30/2012   |
|--|--|--|
| B. District Office and File No: Los  | Angeles District, File No. Pending   |  |
| C. Project Location and Background   | d Information: Drainage Feature 90   |  |
| City, County, State Sif Oidak Dis  | strict, Tohono O'odham Nation, Pima  | and Pinal Counties, Arizona                        |
| Center coordinates of site: Lat.   | 32.5073 Long111.9100   |  |
| Name of nearest waterbody: Uni   | named Wash 9C  |  |
| Name of nearest downstream TNV HUC Code: 15050306  | V: Gila River between Powers Butte   | and Gillespie Dam                                  |
| ✓ Map/Diagram of potential jurise  | dictional area is available on request   |  |
| D. Review Performed for Site Evalu   | ation:   |  |
| Office Determination. Date:  |  |  |
| Field Determination. Date: 05/2  | 2012   |  |
| SECTION II: SUMMARY OF FINDING   | GS   |  |
| A. RHA Section 10 Determination  |  |  |
|  | s of the U.S." within RHA jurisdiction in  | n the review area.                                 |
| B. CWA Section 404 Determination   | on of Jurisdiction   |  |
|  | ne U.S." within CWA jurisdiction in the  | review area.                                       |
| 1. Waters of the US:   |  |  |
| Linear Feet  | Width (ft) and/or  | Acres  |
| Limits of Jurisdiction based on:   |  |  |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol>  | lands:<br>ters and/or wetlands were assessed a   | and determined not to be jurisdictiona             |
| considered jurisdictional if   | does not qualify as a TNW or RPW. The possessed a significant nexus with a exus with the downstream TNW. |  |
| SECTION III: CWA ANALYSIS  |  |  |
|  | NT TO TNWs   |  |
| A. TNWs AND WETLANDS ADJACE  |  |  |
| A. TNWs AND WETLANDS ADJACE  1. Identified TNW:  |  |  |
|  | ion:   |  |
| Identified TNW:  Rationale for TNW determinat  | ion:<br>t any wetlands present are "adjacent'  | ':   |
| <ol> <li>Identified TNW:</li> <li>Rationale for TNW determinate</li> <li>Rationale for conclusion that</li> </ol>  | t any wetlands present are "adjacent"  N TRIBUTARY AND ITS ADJACENT WET                                  | TLANDS   |
| <ol> <li>Identified TNW:         <ul> <li>Rationale for TNW determinate</li> <li>Rationale for conclusion that</li> </ul> </li> <li>B. CHARACTERISTICS OF NON-TNV TNW Watershed Size (sq mi):</li> </ol> | t any wetlands present are "adjacent"  N TRIBUTARY AND ITS ADJACENT WET  49650 Tributaries flow          | TLANDS<br>to TNW: 4                                |
| 1. Identified TNW:  Rationale for TNW determinat 2. Rationale for conclusion tha  B. CHARACTERISTICS OF NON-TNY TNW Watershed Size (sq mi): Drainage Area (sq mi):                                       | N TRIBUTARY AND ITS ADJACENT WET 49650 Tributaries flow 10.00016 River Miles from                        | TLANDS to TNW: 4 tributary to TNW: 30 (or more)    |
| 1. Identified TNW:  Rationale for TNW determinat  2. Rationale for conclusion that  B. CHARACTERISTICS OF NON-TNV TNW Watershed Size (sq mi): Drainage Area (sq mi): Average Annual Rainfall (in):       | N TRIBUTARY AND ITS ADJACENT WET 49650 Tributaries flow 10.00016 River Miles from 8.5 River Miles from   | TLANDS to TNW: tributary to TNW: tributary to RPW: |
| 1. Identified TNW:  Rationale for TNW determinat 2. Rationale for conclusion tha B. CHARACTERISTICS OF NON-TNY TNW Watershed Size (sq mi): Drainage Area (sq mi):  | TRIBUTARY AND ITS ADJACENT WE 49650  0.00016  8.5  River Miles from Aerial Miles from                    | TLANDS to TNW: 4 tributary to TNW: 30 (or more)    |

Feature ID: 9C

| eature ID: 9C          |  |
|------------------------|--|
| Identify flow route to | TNW:   |
|                        | within the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography ely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural  | Explain:   |
| Average Width (ft):    | 5.19   |
| Average Depth (ft):    | 1  |
| Average Side Slopes:   | 2:1  |
| ✓ Silts ☐ Sands        | strate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  |
| ☐ Concrete ☐ N         | Muck Other, Explain:   |
| Tributary Condition/S  | Stability. Explain: Stable   |
| Presence of Run/Riffl  | e/Pool Complexes. Explain: Not Present   |
| Tributary Geometry:    | Relatively Straight  |
| Tributary Gradient (a  | pproximate average slope): 2%  |
|                        |  |

| (c) Flow:                  |  |  |                               |             |          |               |  |
|----------------------------|--|--|-------------------------------|-------------|----------|---------------|--|
| Tributary Provides for:    | Ephemeral Flow                                       | Average                                    | Average Flow Events per year: |             |          | 2-5           |  |
| Describe Flow Regime:      | Ephemeral  | Other Information on Duration and          |                               |             | tion and | Volume:       |  |
| Surface Flow is:           | Confined   | Characteristics:                           |                               |             |          |               |  |
| Subsurface Flow:           | No   | Explain:                                   |                               |             |          |               |  |
| Tributary Has:             |  |  |                               |             |          |               |  |
| ☐ Bed and Banks            |  |  |                               |             |          |               |  |
| ✓ OHWM: OHWM Inc           | dicators:  |  |                               |             |          |               |  |
| ☐ Clear, natural line i    | mpressed on the bank                                 | · □ \                                      | /egetatio                     | on matted   | down, b  | ent or absent |  |
| ✓ Changes in soil cha      | racter   |  | eaf litte                     | r disturbe  | d or was | hed away      |  |
| ☐ Shelving                 |  | □ P  | resence                       | of litter a | nd debri | S             |  |
| ☐ Sediment deposition      | on   | Destruction of terrestrial vegetation      |                               |             |          |               |  |
| ✓ Sediment sorting         |  | $\square$ Abrupt change in plant community |                               |             |          |               |  |
| ☐ Scour                    | $\square$ Multiple observed or predicted flow events |  |                               |             |          |               |  |
| ☐ Presence of wrack        | line   | ☐ Water staining                           |                               |             |          |               |  |
| Other (list):              |  |  |                               |             |          |               |  |
| ☐ Discontinuous? Ex        | xplain:  |  |                               |             |          |               |  |
| (iii) Chemical Characteris | tics:  |  |                               |             |          |               |  |
| Characterize Tributa       | ry:  |  |                               |             |          |               |  |
| Identify Specific Poll     | •  |  |                               |             |          |               |  |
| , ,                        | •  |  |                               |             |          |               |  |
|                            |  |  |                               |             |          |               |  |
|                            |  |  |                               |             |          |               |  |
|                            |  |  |                               |             |          |               |  |

| Feature ID: 9C  |                |
|---|----------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                               |                |
| Riparian Corridor Characteristics:  |                |
| ☐ Wetland Fringe Characteristics:   |                |
| Habitat for:  |                |
| ☐ Federally Listed Species Explain:   |                |
| ☐ Fish/Spawn Areas Explain:   |                |
| ☐ Other environmentally -sensitive species Explain:   |                |
| ☐ Aquatic/Wildlife diversity Explain:   |                |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW            |                |
| (i) Physical Characteristics:   |                |
| Wetland Size (ac): Wetland Type, Explain:   |                |
| Wetland Quality, Explain:   |                |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |                |
| Wetland Flow is: Explain:   |                |
| Surface Flow is: Characteristics:   |                |
| Subsurface Flow: Explain Findings:  |                |
| ☐ Wetland Directly Abutting Non-TNW   |                |
| ☐ Wetland Not Directly Abutting Non-TNW   |                |
| ☐ Discrete wetland hydrologic connection Explain:   |                |
| ☐ Ecologcal connection Explain:   |                |
| ☐ Separated by berm/barrier Explain:  |                |
| Project Wetlands: River Miles from TNW:   |                |
| Project Wetlands: Aerial Miles from TNW:  |                |
| Flow is From:   |                |
| Approximate Location of Wetland within Floodplain:  |                |
| (ii) Chemical Characteristics:  |                |
| Characterize Wetland System:  |                |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                              |                |
| Riparian Buffer Explain:  |                |
| ☐ Vegetation type/percent cover. Explain:   |                |
| Habitat for:  |                |
| ☐ Federally Listed Species Explain:   |                |
| ☐ Fish/Spawn Areas Explain:   |                |
| ☐ Other environmentally-sensitive species Explain:  |                |
| ☐ Aquatic/Wildlife Diversity Explain:   |                |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                           |                |
| All wetland(s) considered in cumulative analysis:   |                |
| Wetland acres in total being considered in cumulative analysis:   |                |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physic | al functions). |
| Describe each wedama (an early abacs tributary; , size in acres, overall biological, chemical or physic | ai ranctionsj. |
|   |                |
|   |                |

| . SIGNIFICANT NEXUS DETERMINATION   |   |
|---|---|
| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or in into TNW. Explain:   | directly  |
| This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a signification downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggest possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutant critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TN drainage does not have more than a speculative or insubstantial effect on the physical, chemical, biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a second support of the Gila River between Powers Butte and Gillespie Dam. | od<br>cant<br>sts that the<br>its or<br>rainage<br>IW. This<br>and/or |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows or indirectly into TNW. Explain:   | directly  |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the Explain:  | RPW.  |
| . DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |   |
| 1. TNWs and Adjacent Wetlands   |   |
| <ul><li>☐ TNWs: Linear Feet Width (ft), Or,</li><li>☐ Wetlands adjacent to TNWs: Acres</li></ul>  |   |
| Reserved for Section III D 2 (RPWs):  |   |
| 3. Non-RPWs that flow directly or indirectly into TNWs.   |   |
| <ul> <li>□ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant with a TNW, and is therfore jurisdictional.</li> <li>Length (Linear Feet):</li> <li>Width (feet):</li> </ul> Acres:  | nt nexus  |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):   |   |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |   |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |   |
| $\Box$ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent $v$   | wetlands,   |
| has a significant nexus with the TNW.   |   |
|   |   |
| has a significant nexus with the TNW.   |   |
| has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):   |   |
| has a significant nexus with the TNW.  Estimated size of jurisdictional wetland (in acres):  7. Impoundments of jurisdictional waters.  | ON OF   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| As described in Section 30 possess a significant nexu   | C1 above, an analysis of this ephemeral drainage determined that it did not s with the nearest TNW.  |
|---|--|
| Explain finding of Other:   |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>  | 861.29 linear feet (ft), 5.19 width (ft) acres acres   |
| Wettanus  | actes  |
| SECTION IV: DATA SOURCES  |  |
| ✓ Data Sheets Prepared,  ☐ Office Concurs with  | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  Submitted on behalf of Applicant delineation  noticer with delineation   |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey I</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul>  | r Study<br>Hydrologic Atlas  |
| _ 0303 0 dilu 12 dig  | ·  |
| ✓ US Geological Survey I  | Map(s) Scale and Quad Name:  |
| ✓ US Geological Survey I  | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles   |
| ✓ US Geological Survey I<br>Silver Reef Mount   |  |
| ✓ US Geological Survey I Silver Reef Mount  USDA Nat'l Res Consei National Wetlands Inv   | rvation Service Soil Survey Citation: entory Maps Cite Map Name:   |
| US Geological Survey I Silver Reef Mount  USDA Nat'l Res Consei National Wetlands Inv State/Local Wetland In  | rvation Service Soil Survey Citation: entory Maps Cite Map Name:   |
| US Geological Survey I Silver Reef Mount  USDA Nat'l Res Consei National Wetlands Inv State/Local Wetland II FEMA/FIR Maps  | entory Maps  Cite Map Name:  Inventory Maps  Cite Map Name:  |
| US Geological Survey I Silver Reef Mount  USDA Nat'l Res Consei National Wetlands Inv State/Local Wetland II FEMA/FIR Maps  100-year Floodplain El  | evation Service Soil Survey Citation: entory Maps Cite Map Name: enventory Maps  evation is:  (National Geodetic Vertical Datum of 1929)   |
| US Geological Survey I Silver Reef Mount  USDA Nat'l Res Conser National Wetlands Inv State/Local Wetland II FEMA/FIR Maps 100-year Floodplain El Aerial Photographs (  | evation Service Soil Survey Citation: entory Maps Cite Map Name: evation is:  (National Geodetic Vertical Datum of 1929) Name and Date): BING, Microsoft Virtual Earth 2008  |
| US Geological Survey I Silver Reef Mount  USDA Nat'l Res Conser National Wetlands Inv State/Local Wetland II FEMA/FIR Maps 100-year Floodplain El Aerial Photographs ( Other Photographs (                        | evation Service Soil Survey Citation: entory Maps Cite Map Name: evation is:  (National Geodetic Vertical Datum of 1929) Name and Date): BING, Microsoft Virtual Earth 2008 Name and Date): Ground Photos; May 2012  |
| US Geological Survey I Silver Reef Mount  USDA Nat'l Res Conser National Wetlands Inv State/Local Wetland II FEMA/FIR Maps 100-year Floodplain El Aerial Photographs ( Other Photographs ( Previous Determination | evation Service Soil Survey Citation: entory Maps Cite Map Name: evation is:  (National Geodetic Vertical Datum of 1929) Name and Date): BING, Microsoft Virtual Earth 2008 Name and Date): Ground Photos; May 2012 ens File No. and Date of Response Letter:                    |
| US Geological Survey I Silver Reef Mount  USDA Nat'l Res Conser National Wetlands Inv State/Local Wetland II FEMA/FIR Maps 100-year Floodplain El Aerial Photographs ( Other Photographs (                        | evation Service Soil Survey Citation: entory Maps Cite Map Name: evation is:  (National Geodetic Vertical Datum of 1929) Name and Date): BING, Microsoft Virtual Earth 2008 Name and Date): Ground Photos; May 2012 ens File No. and Date of Response Letter: Case Law Citation: |

| SECTION I: BACKGROUND INFORM   | <u>IATION</u>    |                            |                                     |                       |
|--|------------------|----------------------------|-------------------------------------|-----------------------|
| A. Report Completion Date for App  |                  |                            | 07/30/2012                          |                       |
| B. District Office and File No: Los  | Angeles Distric  | ct, File No. Pending       |                                     |                       |
| C. Project Location and Background   | d Information:   | Drainage Feature 90        |                                     |                       |
| City, County, State Sif Oidak Dis  | strict, Tohono   | O'odham Nation, Pima       | and Pinal Counties, A               | Arizona               |
| Center coordinates of site: Lat. 3   | 32.5073          | Long111.9100               |                                     |                       |
| Name of nearest waterbody: Unr   | named Wash 9     | )D                         |                                     |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                   | V: Gila River    | between Powers Butte       | and Gillespie Dam                   |                       |
| ✓ Map/Diagram of potential jurison   | dictional area   | is available on request    |                                     |                       |
| D. Review Performed for Site Evalu   | ation:           |                            |                                     |                       |
| Office Determination. Date:  |                  |                            |                                     |                       |
| Field Determination. Date: 05/2  | 2012             |                            |                                     |                       |
| SECTION II: SUMMARY OF FINDING   | GS               |                            |                                     |                       |
| A. RHA Section 10 Determination  | of Jurisdiction  |                            |                                     |                       |
| There Are No "navigable waters   | of the U.S." w   | vithin RHA jurisdiction in | n the review area.                  |                       |
| B. CWA Section 404 Determinatio  | n of Jurisdictio | on                         |                                     |                       |
| There Are No "waters of the  | e U.S." within   | CWA jurisdiction in the    | review area.                        |                       |
| 1. Waters of the US:   |                  |                            |                                     |                       |
| Linear Feet  |                  | Width (ft) and/or          | Acres                               |                       |
| Limits of Jurisdiction based on:   |                  |                            |                                     |                       |
| <ol> <li>Non-Regulated Waters/Wetl</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                  | etlands were assessed a    | and determined not                  | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne    | it possessed a   | significant nexus with a   |                                     | •                     |
| SECTION III: CWA ANALYSIS  |                  |                            |                                     |                       |
| A. TNWs AND WETLANDS ADJACE  | NT TO TNWs       |                            |                                     |                       |
| 1. Identified TNW:   |                  |                            |                                     |                       |
| Rationale for TNW determinat   | ion:             |                            |                                     |                       |
| 2. Rationale for conclusion tha  | t any wetland    | s present are "adjacent'   | <b>'</b> :                          |                       |
| B. CHARACTERISTICS OF NON-TN\  | W TRIBUTARY      | AND ITS ADJACENT WE        | ΓLANDS                              |                       |
| TNW Watershed Size (sq mi):  | 49650            | Tributaries flow           |                                     | 4                     |
| Drainage Area (sq mi): Average Annual Rainfall (in):                                   | 0.00004<br>8.5   |                            | tributary to TNW: tributary to RPW: | 30 (or more)          |
| Average Annual Snowfall (in):  | 0                |                            | tributary to TNW:                   | 30 (or more)          |
| 2.2.62 /   | -                |                            | tributary to RPW:                   |                       |
| ☐ Project waters cross or serv   |                  | ndaries. Explain:          |                                     |                       |

Feature ID: 9D

| ature ID: 9D           |  |
|------------------------|--|
| Identify flow route to | TNW:   |
|                        | vithin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography ely route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural  | Explain:   |
| Average Width (ft):    | 3.86   |
| Average Depth (ft):    | 1  |
| Average Side Slopes:   | 2:1  |
| ✓ Silts ☐ Sands        | strate composition (check all that apply):   Cobbles  Bedrock  Gravel  Vegetation  |
| ☐ Concrete ☐ M         | luck Other, Explain:   |
| Tributary Condition/S  | tability. Explain: Stable  |
| Presence of Run/Riffle | e/Pool Complexes. Explain: Not Present   |
| Tributary Geometry:    | Relatively Straight  |
| Tributary Gradient (a) | oproximate average slope): 2%  |
|                        |  |

| (c) Flow:                  |  |  |                               |             |          |               |  |
|----------------------------|--|--|-------------------------------|-------------|----------|---------------|--|
| Tributary Provides for:    | Ephemeral Flow                                       | Average                                    | Average Flow Events per year: |             |          | 2-5           |  |
| Describe Flow Regime:      | Ephemeral  | Other Information on Duration and          |                               |             | tion and | Volume:       |  |
| Surface Flow is:           | Confined   | Characteristics:                           |                               |             |          |               |  |
| Subsurface Flow:           | No   | Explain:                                   |                               |             |          |               |  |
| Tributary Has:             |  |  |                               |             |          |               |  |
| ☐ Bed and Banks            |  |  |                               |             |          |               |  |
| ✓ OHWM: OHWM Inc           | dicators:  |  |                               |             |          |               |  |
| ☐ Clear, natural line i    | mpressed on the bank                                 | · □ \                                      | /egetatio                     | on matted   | down, b  | ent or absent |  |
| ✓ Changes in soil cha      | racter   |  | eaf litte                     | r disturbe  | d or was | hed away      |  |
| ☐ Shelving                 |  | □ P  | resence                       | of litter a | nd debri | S             |  |
| ☐ Sediment deposition      | on   | Destruction of terrestrial vegetation      |                               |             |          |               |  |
| ✓ Sediment sorting         |  | $\square$ Abrupt change in plant community |                               |             |          |               |  |
| ☐ Scour                    | $\square$ Multiple observed or predicted flow events |  |                               |             |          |               |  |
| ☐ Presence of wrack        | line   | ☐ Water staining                           |                               |             |          |               |  |
| Other (list):              |  |  |                               |             |          |               |  |
| ☐ Discontinuous? Ex        | xplain:  |  |                               |             |          |               |  |
| (iii) Chemical Characteris | tics:  |  |                               |             |          |               |  |
| Characterize Tributa       | ry:  |  |                               |             |          |               |  |
| Identify Specific Poll     | •  |  |                               |             |          |               |  |
| , ,                        | •  |  |                               |             |          |               |  |
|                            |  |  |                               |             |          |               |  |
|                            |  |  |                               |             |          |               |  |
|                            |  |  |                               |             |          |               |  |

| Feature ID: 9D   |            |
|--|------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                    |            |
| Riparian Corridor Characteristics:   |            |
| ☐ Wetland Fringe Characteristics:  |            |
| Habitat for:   |            |
| ☐ Federally Listed Species Explain:  |            |
| ☐ Fish/Spawn Areas Explain:  |            |
| ☐ Other environmentally -sensitive species   |            |
| ☐ Aquatic/Wildlife diversity Explain:  |            |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                 |            |
| (i) Physical Characteristics:  |            |
| Wetland Size (ac): Wetland Type, Explain:  |            |
| Wetland Quality, Explain:  |            |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |            |
| Wetland Flow is: Explain:  |            |
| Surface Flow is: Characteristics:  |            |
| Subsurface Flow: Explain Findings:   |            |
| ☐ Wetland Directly Abutting Non-TNW  |            |
| ☐ Wetland Not Directly Abutting Non-TNW  |            |
| ☐ Discrete wetland hydrologic connection Explain:  |            |
| ☐ Ecologcal connection Explain:  |            |
| ☐ Separated by berm/barrier Explain:   |            |
| Project Wetlands: River Miles from TNW:  |            |
| Project Wetlands: Aerial Miles from TNW:   |            |
| Flow is From:  |            |
| Approximate Location of Wetland within Floodplain:   |            |
| (ii) Chemical Characteristics:   |            |
| Characterize Wetland System:   |            |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                   |            |
|  |            |
| <ul><li>☐ Riparian Buffer Explain:</li><li>☐ Vegetation type/percent cover. Explain:</li></ul>               |            |
| Habitat for:   |            |
| Federally Listed Species Explain:  |            |
| ☐ Fish/Spawn Areas Explain:  |            |
| ☐ Other environmentally-sensitive species Explain:   |            |
| ☐ Aquatic/Wildlife Diversity Explain:  |            |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                |            |
| All wetland(s) considered in cumulative analysis:  |            |
| Wetland acres in total being considered in cumulative analysis:  |            |
|  | inctions): |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical fu | medons):   |
|  |            |
|  |            |

| . SIGNIFICANT NEXUS I  | DETERMINATION  |
|--|--|
|  | ndings for non-RPW that has no adjacent wetlands and flows directly or indirectly  |
| This unnamed ephem between Powers Butt discharges, in combine downstream manmad possibility of a hydrole critical habitats were does not provide lifect drainage does not have biological integrity of                       | eral drainage is located more than 100 river miles from the nearest TNW, the Gila River e and Gillespie Dam. An analysis of peak yearly discharges and potential flood ation with the geomorphology of the Analysis Area, the presence of a significant le impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the ogic connection between this drainage and the TNW is tenuous. No pollutants or identified within the Analysis Area. Additionally, this unnamed ephemeral drainage ycle support functions, nutrients, or organic carbon to species within the TNW. This we more than a speculative or insubstantial effect on the physical, chemical, and/or the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant each of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nexus fi<br>or indirectly into TNV  | ndings for non-RPW and its adjacent wetlands, where the non-RPW flows directly V. Explain:   |
| 3. Significant nexus fi<br>Explain:  | ndings for wetlands adjacent to an RPW but that do not directly abut the RPW.  |
| TNIVA/G  | Linear Foot  |
| ☐ TNWs: ☐ Wetlands adjacer Reserved for Section I  |  |
| <ul><li>Wetlands adjacer</li><li>Reserved for Section I</li></ul>  | nt to TNWs: Acres  |
| ■ Wetlands adjacer Reserved for Section I  3. Non-RPWs that flo ■ Non-TNW/non-RP   | nt to TNWs: Acres  |
| ■ Wetlands adjacer Reserved for Section I  3. Non-RPWs that flo ■ Non-TNW/non-RP   | Acres III D 2 (RPWs):  w directly or indirectly into TNWs.  W waterbody that flows directly or indirectly into a TNW and has a signficant nexus stherfore jurisdictional.  |
| ■ Wetlands adjacer Reserved for Section I  3. Non-RPWs that flo  □ Non-TNW/non-RP with a TNW, and is Length (Linear Fee  | Acres III D 2 (RPWs):  w directly or indirectly into TNWs.  W waterbody that flows directly or indirectly into a TNW and has a signficant nexus s therfore jurisdictional.   |
| ■ Wetlands adjacer Reserved for Section I  3. Non-RPWs that flo  □ Non-TNW/non-RP with a TNW, and is Length (Linear Fee Reserved for Section   | Acres  III D 2 (RPWs):  w directly or indirectly into TNWs.  W waterbody that flows directly or indirectly into a TNW and has a signficant nexus a therfore jurisdictional.  et):  Width (feet):  Acres:   |
| ■ Wetlands adjacer Reserved for Section I  3. Non-RPWs that flo  □ Non-TNW/non-RP with a TNW, and is Length (Linear Fee Reserved for Section Reserved for Section  | Acres  III D 2 (RPWs):  w directly or indirectly into TNWs.  W waterbody that flows directly or indirectly into a TNW and has a signficant nexus stherfore jurisdictional.  et):  Width (feet):  Acres:  |
| ■ Wetlands adjacer Reserved for Section  3. Non-RPWs that flo □ Non-TNW/non-RP with a TNW, and is Length (Linear Fee Reserved for Section Reserved for Section 6. Wetlands adjacen □ Wetland adjacent                        | Acres  W directly or indirectly into TNWs.  W waterbody that flows directly or indirectly into a TNW and has a signficant nexus stherfore jurisdictional.  Et):  |
| Reserved for Section I  3. Non-RPWs that flo  Non-TNW/non-RP with a TNW, and is Length (Linear Fee Reserved for Section Reserved for Section  6. Wetlands adjacen  Wetland adjacent has a significant in                     | Acres  III D 2 (RPWs):  w directly or indirectly into TNWs.  W waterbody that flows directly or indirectly into a TNW and has a signficant nexus at therfore jurisdictional.  et):  Width (feet):  Acres:  III D 4 (Wetlands directly abutting RPWs):  III D 5 (Wetlands adjacent to but not directly abutting RPWs):  t to non-RPWs that flow directly or indirectly into TNWs.   |
| ■ Wetlands adjacer Reserved for Section I  3. Non-RPWs that flo  Non-TNW/non-RP with a TNW, and is Length (Linear Fee Reserved for Section Reserved for Section  6. Wetlands adjacent has a significant in Estimated size of | Acres III D 2 (RPWs):  w directly or indirectly into TNWs.  W waterbody that flows directly or indirectly into a TNW and has a signficant nexus at therfore jurisdictional.  et):  Width (feet):  Acres:  III D 4 (Wetlands directly abutting RPWs):  III D 5 (Wetlands adjacent to but not directly abutting RPWs):  t to non-RPWs that flow directly or indirectly into TNWs.  It to non-RPWs which, in combination with the tributary and other adjacent wetlands, nexus with the TNW.  |
| ■ Wetlands adjacer Reserved for Section I  3. Non-RPWs that flo  Non-TNW/non-RP with a TNW, and is Length (Linear Fee Reserved for Section Reserved for Section  6. Wetlands adjacent has a significant in Estimated size of | Acres  W directly or indirectly into TNWs.  W waterbody that flows directly or indirectly into a TNW and has a signficant nexus therfore jurisdictional.  Et): Width (feet): Acres:  III D 4 (Wetlands directly abutting RPWs):  III D 5 (Wetlands adjacent to but not directly abutting RPWs):  It to non-RPWs that flow directly or indirectly into TNWs.  It to non-RPWs which, in combination with the tributary and other adjacent wetlands, nexus with the TNW.  jurisdictional wetland (in acres):  jurisdictional waters.  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 9D   |   |
|--|---|
| As described in Section 3C1 possess a significant nexus  | above, an analysis of this ephemeral drainage determined that it did not with the nearest TNW.        |
| Explain finding of Other:  |   |
| ✓ Non-wetland waters  ☐ Other waters  ☐ Wetlands   | 306.97 linear feet (ft), 3.86 width (ft) acres acres  |
| Wettarias  | deres   |
| •  | at Submitted by Applicant/Consultant: WestLand Resources, Inc.  |
| <ul><li>✓ Data Sheets Prepared/S</li><li>☐ Office Concurs with</li><li>☐ Office Does Not Con</li></ul>   |   |
| <ul> <li>□ Data Sheets Prepared b</li> <li>□ Corps Navigable Water</li> <li>□ US Geological Survey Hy</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit</li> </ul> | Study<br>ydrologic Atlas  |
|  | lap(s) Scale and Quad Name: ins SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles |
| ☐ National Wetlands Invel☐ State/Local Wetland Inv   |   |
| <ul><li>☐ FEMA/FIR Maps</li><li>☐ 100-year Floodplain Ele</li></ul>  |   |
| •  | lame and Date): BING, Microsoft Virtual Earth 2008 lame and Date): Ground Photos; May 2012            |
| ☐ Previous Determination ☐ Applicable/Supporting C   | ns File No. and Date of Response Letter: Case Law Citation:   |
| <ul><li>Applicable/Supporting S</li><li>Other Information, Plea</li></ul>  |   |

| SECTION I: BACKGROUND INFORM  | <u>MATION</u>      |                 |                                     |                 |                       |
|---|--------------------|-----------------|-------------------------------------|-----------------|-----------------------|
| A. Report Completion Date for App   | oroved Jurisdic    | tional Determ   | ination: 07/                        | 30/2012         |                       |
| B. District Office and File No: Los   | Angeles Distric    | ct, File No. Pe | nding                               |                 |                       |
| C. Project Location and Background  | d Information:     | Drainage F      | eature 9D1                          |                 |                       |
| City, County, State Sif Oidak Dis   | strict, Tohono     | O'odham Nati    | on, Pima and F                      | Pinal Counties, | Arizona               |
| Center coordinates of site: Lat.  | 32.5073            | Long.           | -111.9100                           |                 |                       |
| Name of nearest waterbody: Un   | named Wash 9       | 9D1             |                                     |                 |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                | W: Gila River      | between Pow     | ers Butte and                       | Gillespie Dam   |                       |
| ✓ Map/Diagram of potential juris  | dictional area     | is available on | request                             |                 |                       |
| D. Review Performed for Site Evalu  | iation:            |                 |                                     |                 |                       |
| Office Determination. Date:   |                    |                 |                                     |                 |                       |
| Field Determination. Date: 05/2   | 2012               |                 |                                     |                 |                       |
| SECTION II: SUMMARY OF FINDIN   | GS                 |                 |                                     |                 |                       |
| A. RHA Section 10 Determination   |                    | 1               |                                     |                 |                       |
| There Are No "navigable waters  | s of the U.S." v   | vithin RHA jur  | isdiction in the                    | review area.    |                       |
| B. CWA Section 404 Determination  | on of Jurisdiction | on              |                                     |                 |                       |
| There Are No "waters of the   | ne U.S." within    | CWA jurisdict   | ion in the revi                     | ew area.        |                       |
| 1. Waters of the US:  |                    |                 |                                     |                 |                       |
| Linear Feet   |                    | Width (ft) ar   | nd/or                               | Acres           |                       |
| Limits of Jurisdiction based on:  |                    |                 |                                     |                 |                       |
| 2. Non-Regulated Waters/Wet   |                    | otlands word    | accossed and d                      | atarminad nat   | to be jurisdictional: |
| ✓ Potentially jurisdictional wa   |                    |                 |                                     |                 |                       |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne | it possessed a     | significant ne  | xus with a dow                      | •               | •                     |
| SECTION III: CWA ANALYSIS   |                    |                 |                                     |                 |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs         |                 |                                     |                 |                       |
| 1. Identified TNW:  |                    |                 |                                     |                 |                       |
| Rationale for TNW determinat  | tion:              |                 |                                     |                 |                       |
| 2. Rationale for conclusion tha   | at any wetland     | s present are   | "adjacent":                         |                 |                       |
| B. CHARACTERISTICS OF NON-TN  | W TRIBUTARY        | AND ITS ADJA    | CENT WETLAN                         | DS              |                       |
| TNW Watershed Size (sq mi):   | 49650              |                 | ries flow to TN                     |                 | 4                     |
| Drainage Area (sq mi):  | 0.00003            |                 | Ailes from tribu                    | •               | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                         | 8.5<br>0           |                 | Miles from tribu<br>Miles from trib | •               | 30 (or more)          |
| Average Alliluai Siluwiali (III).   | U                  |                 | Miles from trib                     | •               | 50 (or more)          |
| ☐ Project waters cross or serv  | ve as state bou    |                 | plain:                              | •               |                       |

Feature ID: 9D1

| _  | ithin the Analysis Area are ultimately tributary to the Santa Rosa Wash. Topography y route of potential flow is Santa Rosa Wash to the Santa Cruz Wash to the Gila |
|--|---|
| ributary is: Natural   | Explain:  |
| Average Width (ft):  | 3.72  |
| Average Depth (ft):  | 1   |
|  |   |
| Average Side Slopes:  Primary tributary sub  Sands                           | trate composition (check all that apply):  ☐ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N                        | trate composition (check all that apply):   Cobbles Bedrock Gravel Vegetation  uck Other, Explain:  |
| Primary tributary sub  ✓ Silts □ Sands □ Concrete □ N  ─ributary Condition/S | trate composition (check all that apply):   Cobbles Bedrock Gravel Vegetation  uck Other, Explain:  |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ N  Tributary Condition/S | trate composition (check all that apply):  Cobbles Bedrock Gravel Vegetation  uck Other, Explain:  ability. Explain: Stable   |

| (c) Flow:                  |                       |                  |                  |             |            |                   |
|----------------------------|-----------------------|------------------|------------------|-------------|------------|-------------------|
| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Eve         | nts per y   | ear:       | 2-5               |
| Describe Flow Regime:      | Ephemeral             | Other Inf        | ormation         | n on Dura   | ation and  | d Volume:         |
| Surface Flow is:           | Confined              | Characte         | Characteristics: |             |            |                   |
| Subsurface Flow:           | No                    | Explain:         |                  |             |            |                   |
| Tributary Has:             |                       |                  |                  |             |            |                   |
| ☐ Bed and Banks            |                       |                  |                  |             |            |                   |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |                  |             |            |                   |
| ☐ Clear, natural line      | impressed on the bank | $\square$ $\vee$ | egetatio         | n matte     | d down,    | bent or absent    |
| Changes in soil cha        |                       |                  | eaf litter       | disturbe    | d or wa    | shed away         |
| ☐ Shelving                 |                       | □ P              | resence          | of litter a | and debi   | ris               |
| ☐ Sediment deposition      | on                    |                  | estructio        | on of teri  | restrial v | egetation         |
| Sediment sorting           |                       |                  | brupt ch         | ange in p   | olant cor  | nmunity           |
| ☐ Scour                    |                       |                  | /lultiple o      | bserved     | or pred    | icted flow events |
| ☐ Presence of wrack        | line                  | □ <b>v</b>       | Vater sta        | ining       |            |                   |
| Other (list):              |                       |                  |                  |             |            |                   |
| ☐ Discontinuous? Ex        | xplain:               |                  |                  |             |            |                   |
| (iii) Chemical Characteris | stics:                |                  |                  |             |            |                   |
| Characterize Tributa       | ry:                   |                  |                  |             |            |                   |
| Identify Specific Poll     | utants, if known:     |                  |                  |             |            |                   |
| , ,                        | ,                     |                  |                  |             |            |                   |
|                            |                       |                  |                  |             |            |                   |
|                            |                       |                  |                  |             |            |                   |
|                            |                       |                  |                  |             |            |                   |

| Feature ID: 9D1   |             |
|---|-------------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                 |             |
| Riparian Corridor Characteristics:  |             |
| ☐ Wetland Fringe Characteristics:   |             |
| Habitat for:  |             |
| ☐ Federally Listed Species Explain:   |             |
| ☐ Fish/Spawn Areas Explain:   |             |
| ☐ Other environmentally -sensitive species Explain:   |             |
| ☐ Aquatic/Wildlife diversity Explain:   |             |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW              |             |
| (i) Physical Characteristics:   |             |
| Wetland Size (ac): Wetland Type, Explain:   |             |
| Wetland Quality, Explain:   |             |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |             |
| Wetland Flow is: Explain:   |             |
| Surface Flow is: Characteristics:   |             |
| Subsurface Flow: Explain Findings:  |             |
| ☐ Wetland Directly Abutting Non-TNW   |             |
| ☐ Wetland Not Directly Abutting Non-TNW   |             |
| ☐ Discrete wetland hydrologic connection Explain:   |             |
| ☐ Ecological connection Explain:  |             |
| ☐ Separated by berm/barrier Explain:  |             |
| Project Wetlands: River Miles from TNW:   |             |
| Project Wetlands: Aerial Miles from TNW:  |             |
| Flow is From:   |             |
| Approximate Location of Wetland within Floodplain:  |             |
| (ii) Chemical Characteristics:  |             |
| Characterize Wetland System:  |             |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                |             |
|   |             |
| ☐ Riparian Buffer Explain: ☐ Vegetation type/percent cover. Explain:                                      |             |
| Habitat for:  |             |
| Federally Listed Species Explain:   |             |
| ☐ Fish/Spawn Areas Explain:   |             |
| ☐ Other environmentally-sensitive species Explain:  |             |
| ☐ Aquatic/Wildlife Diversity Explain:   |             |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                             |             |
|   |             |
| All wetland(s) considered in cumulative analysis:   |             |
| Wetland acres in total being considered in cumulative analysis:   | (           |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical | runctions): |
|   |             |
|   |             |

| 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirection TNW. Explain:  This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gil between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests the significant content of the transfer of the t |                            |
|--|----------------------------|
| between Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant  |                            |
| possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral draina does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. T drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a signinexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam.   | hat the<br>ge<br>his<br>or |
| 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly into TNW. Explain:   | ctly                       |
| 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW Explain:   | •                          |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):   |                            |
| 3. Non-RPWs that flow directly or indirectly into TNWs.  |                            |
| □ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant newith a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:  | xus                        |
| Reserved for Section III D 4 (Wetlands directly abutting RPWs):  |                            |
| Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |                            |
| 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.   |                            |
| ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands a significant nexus with the TNW.  | ands,                      |
| Estimated size of jurisdictional wetland (in acres):   |                            |
| 7. Impoundments of jurisdictional waters.  |                            |
| Demonstration of Jurisdiction:   |                            |

Non-Jurisdictional Waters:

Length (linear feet):

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

Acres:

| Feature ID: 9D1  |                      |                  |                                       |          |
|--|----------------------|------------------|---------------------------------------|----------|
| As described in Section 3C possess a significant nexus |                      |                  | meral drainage determined that it did | not      |
| Explain finding of Other:                              |                      |                  |                                       |          |
| ✓ Non-wetland waters                                   | 217.11 li            | near feet (ft),  | 3.72 width (ft)                       |          |
| ☐ Other waters   | a                    | cres             |                                       |          |
| ☐ Wetlands   | a                    | cres             |                                       |          |
| SECTION IV: DATA SOURCES                               |                      |                  |                                       |          |
| ✓ Maps, Plans, Plots or P                              | lat Submitted by     | Applicant/Con    | sultant: WestLand Resources, Inc.     |          |
| Data Sheets Prepared/                                  | Submitted on beh     | alf of Applicant |                                       |          |
| Office Concurs with                                    |                      |                  |                                       |          |
| Office Does Not Co                                     | ncur with delineat   | ion              |                                       |          |
| ☐ Data Sheets Prepared I                               | by the Corps         |                  |                                       |          |
| Corps Navigable Water                                  | Study                |                  |                                       |          |
| US Geological Survey F                                 | lydrologic Atlas     |                  |                                       |          |
| USGS NHD Data  |                      |                  |                                       |          |
| $\square$ USGS 8 and 12 digi                           | t HUC Map            |                  |                                       |          |
| ✓ US Geological Survey N                               | Nap(s) Scale and     | Quad Name:       |                                       |          |
|  |                      |                  | Rosa Mountains NW 7.5-Minute Qua      | drangles |
| ☐ USDA Nat'l Res Conser                                | vation Service Soil  | Survey Citat     | ion                                   |          |
| ☐ National Wetlands Inve                               |                      | ite Map Name:    | 1011.                                 |          |
| ☐ State/Local Wetland In                               |                      | ite map rame.    |                                       |          |
| ☐ FEMA/FIR Maps  | remedi y mape        |                  |                                       |          |
| ☐ 100-year Floodplain Ele                              | evation is:          |                  | (National Geodetic Vertical Datum     | of 1929) |
| ✓ Aerial Photographs (I                                | Name and Date):      | BING, Microsof   | ft Virtual Earth 2008                 |          |
| Other Photographs (I                                   | Name and Date):      | Ground Photos    | ; May 2012                            |          |
| ☐ Previous Determinatio                                | ns File No. and [    | Date of Respons  | se Letter:                            |          |
| $\square$ Applicable/Supporting                        | Case Law Citatio     | on:              |                                       |          |
| ☐ Applicable/Supporting                                | Scientific Literatur | re Citation:     |                                       |          |

Other Information, Please Specify: Additional Comments to Support JD:

| SECTION I: BACKGROUND INFORM  | <u> </u>          |                          |  |                       |
|---|-------------------|--------------------------|--|-----------------------|
| A. Report Completion Date for App   |                   |                          | 07/30/2012                               |                       |
| B. District Office and File No: Los   |                   |                          |  |                       |
| C. Project Location and Background  |                   | _                        |  |                       |
| City, County, State Sif Oidak Dis   | trict, Tohono (   | D'odham Nation, Pima     | and Pinal Counties,                      | Arizona               |
| Center coordinates of site: Lat.  | 32.5073           | Long111.9100             | )  |                       |
| Name of nearest waterbody: Uni  | named Wash 9      | E                        |  |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                  | V: Gila River k   | oetween Powers Butte     | and Gillespie Dam                        |                       |
| ✓ Map/Diagram of potential jurise   | dictional area is | s available on request   |  |                       |
| D. Review Performed for Site Evalu  | ation:            |                          |  |                       |
| Office Determination. Date:   |                   |                          |  |                       |
| Field Determination. Date: 05/2   | 2012              |                          |  |                       |
| SECTION II: SUMMARY OF FINDING  | GS                |                          |  |                       |
| A. RHA Section 10 Determination   |                   |                          |  |                       |
| There Are No "navigable waters  | of the U.S." w    | ithin RHA jurisdiction i | n the review area.                       |                       |
| B. CWA Section 404 Determination  | n of Jurisdictio  | n                        |  |                       |
| There Are No "waters of the   | e U.S." within    | CWA jurisdiction in the  | e review area.                           |                       |
| 1. Waters of the US:  |                   |                          |  |                       |
| Linear Feet   |                   | Width (ft) and/or        | Acres                                    |                       |
| Limits of Jurisdiction based on:  |                   |                          |  |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                   | etlands were assessed    | and determined not                       | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne   | it possessed a    | significant nexus with a |  | •                     |
| SECTION III: CWA ANALYSIS   |                   |                          |  |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs        |                          |  |                       |
| 1. Identified TNW:  |                   |                          |  |                       |
| Rationale for TNW determinat  | ion:              |                          |  |                       |
| 2. Rationale for conclusion tha   | t any wetlands    | present are "adjacent    | <b>"</b> :                               |                       |
| B. CHARACTERISTICS OF NON-TN\   | N TRIBUTARY A     | AND ITS ADJACENT WE      | TLANDS                                   |                       |
| TNW Watershed Size (sq mi):   | 49650             | Tributaries flow         |  | 4                     |
| Drainage Area (sq mi):  | 0.00022           |                          | tributary to TNW:                        | 30 (or more)          |
| Average Annual Rainfall (in):   | 8.5               |                          | tributary to RPW:<br>n tributary to TNW: | 30 (or more)          |
| Average Annual Snowfall (in).   |                   |                          |  |                       |
| Average Annual Snowfall (in):   | 0                 |                          | n tributary to RPW:                      | 30 (01 111012)        |

Feature ID: 9E

| Identify flow route to<br>Unnamed drainages<br>suggests the most lik<br>River. | within t   | •                                 |                                   | •            | •           | Rosa Wash. Topography<br>ruz Wash to the Gila |
|--|--|-----------------------------------|-----------------------------------|--------------|-------------|---|
| Tributary is: Natural  |  | Explain:                          |                                   |              |             |   |
| Average Width (ft):  | 7.44   |                                   |                                   |              |             |   |
| Average Depth (ft):  | 1  |                                   |                                   |              |             |   |
|  |  |                                   |                                   |              |             |   |
| Average Side Slopes:<br>Primary tributary sub                                  |  | compositio                        | n (check all                      | that apply): |             |   |
| Primary tributary sub  | ostrate  | compositio<br>Cobbles<br>Other, E | Bedro                             |              | □ Vegetatio | n   |
| Primary tributary sub  | ostrate<br>s   | Cobbles Other, E                  | Bedro                             |              | □ Vegetatio | n   |
| Primary tributary sub Silts Sands Concrete In  Tributary Condition/            | ostrate of some of the some of | Cobbles Other, E                  | ☐ Bedroxplain:                    |              | □ Vegetatio | n   |
| Primary tributary sub  ✓ Silts ☐ Sands ☐ Concrete ☐ I                          | ostrate s   Muck Stability le/Pool   | Cobbles Other, E                  | Bedro splain:  Stable s. Explain: | ck 🗹 Gravel  | □ Vegetatio | n   |

| (c) Flow:                  |                       |                  |                 |               |                    |  |
|----------------------------|-----------------------|------------------|-----------------|---------------|--------------------|--|
| Tributary Provides for:    | Ephemeral Flow        | Average          | Flow Events     | per year:     | 2-5                |  |
| Describe Flow Regime:      | Ephemeral             | Other Inf        | ormation on     | Duration an   | d Volume:          |  |
| Surface Flow is:           | Confined              | Characteristics: |                 |               |                    |  |
| Subsurface Flow:           | No                    | Explain:         |                 |               |                    |  |
| Tributary Has:             |                       |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |
| ✓ OHWM: OHWM Inc           | dicators:             |                  |                 |               |                    |  |
|                            | impressed on the bank | $\square$ $\lor$ | egetation m     | atted down,   | bent or absent     |  |
| Changes in soil changes    | •                     |                  | eaf litter dist | -             |                    |  |
| ☐ Shelving                 |                       | □ P              | resence of li   | tter and deb  | ris                |  |
| ☐ Sediment depositi        | on                    | <b>✓</b> [       | estruction o    | f terrestrial | vegetation         |  |
| Sediment sorting           |                       |                  | Abrupt chang    | e in plant co | mmunity            |  |
| ☐ Scour                    |                       |                  | ∕Iultiple obse  | rved or pred  | licted flow events |  |
| ☐ Presence of wrack        | line                  | □ <b>v</b>       | Vater stainin   | g             |                    |  |
| Other (list):              |                       |                  |                 |               |                    |  |
| ☐ Discontinuous? Ex        | xplain:               |                  |                 |               |                    |  |
| (iii) Chemical Characteris | stics:                |                  |                 |               |                    |  |
| •                          |                       |                  |                 |               |                    |  |
| Characterize Tributa       |                       |                  |                 |               |                    |  |
| Identify Specific Poll     | utants, if known:     |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |
|                            |                       |                  |                 |               |                    |  |

| Feature ID: 9E   |           |
|--|-----------|
| (iv) Biological Characteristics. Channel supports (check all that apply):                                      |           |
| Riparian Corridor Characteristics:   |           |
| ☐ Wetland Fringe Characteristics:  |           |
| Habitat for:   |           |
| ☐ Federally Listed Species Explain:  |           |
| ☐ Fish/Spawn Areas Explain:  |           |
| ☐ Other environmentally -sensitive species Explain:  |           |
| ☐ Aquatic/Wildlife diversity Explain:  |           |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                   |           |
| (i) Physical Characteristics:  |           |
| Wetland Size (ac): Wetland Type, Explain:  |           |
| Wetland Quality, Explain:  |           |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |           |
| Wetland Flow is: Explain:  |           |
| Surface Flow is: Characteristics:  |           |
| Subsurface Flow: Explain Findings:   |           |
| ☐ Wetland Directly Abutting Non-TNW  |           |
| ☐ Wetland Not Directly Abutting Non-TNW  |           |
| ☐ Discrete wetland hydrologic connection Explain:  |           |
| ☐ Ecologcal connection Explain:  |           |
| ☐ Separated by berm/barrier Explain:   |           |
| Project Wetlands: River Miles from TNW:  |           |
| Project Wetlands: Aerial Miles from TNW:   |           |
| Flow is From:  |           |
| Approximate Location of Wetland within Floodplain:   |           |
| (ii) Chemical Characteristics:   |           |
| Characterize Wetland System:   |           |
| (iii) Biological Characteristics. Wetland supports (check all that apply):                                     |           |
|  |           |
| ☐ Riparian Buffer Explain: ☐ Vegetation type/percent cover. Explain:   |           |
| Habitat for:   |           |
| Federally Listed Species Explain:  |           |
| ☐ Fish/Spawn Areas Explain:  |           |
| ☐ Other environmentally-sensitive species Explain:   |           |
| ☐ Aquatic/Wildlife Diversity Explain:  |           |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)                                  |           |
| All wetland(s) considered in cumulative analysis:  |           |
| Wetland acres in total being considered in cumulative analysis:  |           |
|  | actions): |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical full | ictions): |
|  |           |
|  |           |

| _ ( | SIGNIFICANT NEXUS DETERMINATION   |
|-----|---|
|     | 1. Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly  |
|     | into TNW. Explain:  |
|     | This unnamed ephemeral drainage is located more than 100 river miles from the nearest TNW, the Gila Riverbetween Powers Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood discharges, in combination with the geomorphology of the Analysis Area, the presence of a significant downstream manmade impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the possibility of a hydrologic connection between this drainage and the TNW is tenuous. No pollutants or critical habitats were identified within the Analysis Area. Additionally, this unnamed ephemeral drainage does not provide lifecycle support functions, nutrients, or organic carbon to species within the TNW. This drainage does not have more than a speculative or insubstantial effect on the physical, chemical, and/or biological integrity of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant nexus with the TNW reach of the Gila River between Powers Butte and Gillespie Dam. |
|     | 2. Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNW. Explain:  |
|     | 3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:   |
|     | DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  1. TNWs and Adjacent Wetlands  TNWs: Linear Feet Width (ft), Or, Acres  |
|     | Wetlands adjacent to TNWs: Acres  Reserved for Section III D 2 (RPWs):  |
|     | 3. Non-RPWs that flow directly or indirectly into TNWs.   |
|     | □ Non-TNW/non-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus with a TNW, and is therfore jurisdictional.  Length (Linear Feet): Width (feet): Acres:   |
|     | Reserved for Section III D 4 (Wetlands directly abutting RPWs):   |
|     | Reserved for Section III D 5 (Wetlands adjacent to but not directly abutting RPWs):   |
|     | 6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.  |
|     | ☐ Wetland adjacent to non-RPWs which, in combination with the tributary and other adjacent wetlands, has a significant nexus with the TNW.  |
|     | Estimated size of jurisdictional wetland (in acres):  |
|     | 7. Impoundments of jurisdictional waters.   |
|     | Demonstration of Jurisdiction:  |
|     | ISOLATED WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF HICH COULD AFFECT INTERSTATE COMMERCE  |
|     | Supporting rationale: Length (linear feet): Acres:  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 9E  |  |
|---|--|
|   | on 3C1 above, an analysis of this ephemeral drainage determined that it did not nexus with the nearest TNW.  |
| Explain finding of Ot   | her:   |
| <ul><li>✓ Non-wetland wat</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul> | ers 825.78 linear feet (ft), 7.44 width (ft) acres acres   |
| SECTION IV: DATA SOU  | RCES   |
| ✓ Data Sheets Prep  ☐ Office Concur   | s or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.  wared/Submitted on behalf of Applicant s with delineation lot Concur with delineation |
| ☐ Corps Navigable☐ US Geological Su☐ USGS NHD D☐                              | rvey Hydrologic Atlas  |
| _   | rvey Map(s) Scale and Quad Name: Iountains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles   |
| National Wetland  | onservation Service Soil Survey Citation: ds Inventory Maps Cite Map Name: and Inventory Maps  |
| ☐ FEMA/FIR Ma   |  |
| ☐ 100-year Floodpl ✓ Aerial Photograp   | ain Elevation is: (National Geodetic Vertical Datum of 1929) hs (Name and Date): BING, Microsoft Virtual Earth 2008  |
| 0 1   | hs (Name and Date): Ground Photos; May 2012  |
| _   | inations File No. and Date of Response Letter:   |
| ☐ Applicable/Supp   | ·  |
|   | orting Scientific Literature Citation:   |

| A. Report Completion Date for Approved Juris  | sdictional Determination: 07/30/2012  |                     |
|---|---|---------------------|
| B. District Office and File No: Los Angeles Di  | strict, File No. Pending  |                     |
| C. Project Location and Background Informati  | ion: Drainage Feature 9F  |                     |
| City, County, State Sif Oidak District, Toho  | ono O'odham Nation, Pima and Pinal Counties,  | Arizona             |
| Center coordinates of site: Lat. 32.5073  | Long111.9100  |                     |
| Name of nearest waterbody: Unnamed Wa   | sh 9F   |                     |
| Name of nearest downstream TNW: Gila Ri   | ver between Powers Butte and Gillespie Dam  |                     |
| HUC Code: 15050306  |   |                     |
| Map/Diagram of potential jurisdictional ar  | rea is available on request   |                     |
| D. Review Performed for Site Evaluation:  |   |                     |
| Office Determination. Date:   |   |                     |
| Field Determination. Date: 05/2012  |   |                     |
| CECTION III CUMMA A DV OF FINDINGS  |   |                     |
| SECTION II: SUMMARY OF FINDINGS  A. RHA Section 10 Determination of Jurisdict   | tion  |                     |
|   | tion<br>S." within RHA jurisdiction in the review area.   |                     |
| -   | ·   |                     |
| B. CWA Section 404 Determination of Jurisd  There Are No "waters of the U.S." with  | iction<br>thin CWA jurisdiction in the review area.   |                     |
| 1. Waters of the US:  | thin CWA jurisdiction in the review area.   |                     |
| Linear Feet   | Width (ft) and/or Acres   |                     |
| Limits of Jurisdiction based on:  | Width (It) and/or   |                     |
| Limits of Juristiction based on.  |   |                     |
| 2. Non-Regulated Waters/Wetlands:   |   |                     |
|   | or wetlands were assessed and determined not  |                     |
|   | qualify as a TNW or RPW. Therefore, this draina ed a significant nexus with a downstream TNW.                                   | •                   |
| not possess a significant nexus with the  | _   | Tills dialilage doe |
| SECTION III: CWA ANALYSIS   |   |                     |
| A. TNWs AND WETLANDS ADJACENT TO TN\  | Ws.   |                     |
| 1. Identified TNW:  |   |                     |
| Rationale for TNW determination:  |   |                     |
| nationale for 11444 determination.  |   |                     |
|   | ands prosent are "adiacont":  |                     |
| 2. Rationale for conclusion that any wetla  | ands present are adjacent.  |                     |
| 2. Rationale for conclusion that any wetlands.  B. CHARACTERISTICS OF NON-TNW TRIBUTA   |   |                     |
| , in the second |   | 4                   |
| B. CHARACTERISTICS OF NON-TNW TRIBUTA   | ARY AND ITS ADJACENT WETLANDS   | 4<br>30 (or more)   |
| B. CHARACTERISTICS OF NON-TNW TRIBUTA TNW Watershed Size (sq mi): 49650 Drainage Area (sq mi): 0.00019 Average Annual Rainfall (in): 8.5  | ARY AND ITS ADJACENT WETLANDS  Tributaries flow to TNW:  River Miles from tributary to TNW:  River Miles from tributary to RPW: | 30 (or more)        |
| B. CHARACTERISTICS OF NON-TNW TRIBUTA TNW Watershed Size (sq mi): 49650 Drainage Area (sq mi): 0.00019  | ARY AND ITS ADJACENT WETLANDS  Tributaries flow to TNW:  River Miles from tributary to TNW:                                     |                     |

Feature ID: 9F

| eature ID: 9F  |  |  |
|--|--|--|
| Identify flow route to                               | TNW:   |  |
| _  | ·  | ultimately tributary to the Santa Rosa Wash. Topography s Santa Rosa Wash to the Santa Cruz Wash to the Gila |
| Tributary is: Natural                                | Explain:   |  |
| Average Width (ft):                                  | 7.55   |  |
| Average Depth (ft):                                  | 1  |  |
| Average Side Slopes:                                 | 2:1  |  |
| Duine a m. tuile stame as th                         | saturata anno anno aitinn I alandu   |  |
| ✓ Silts □ Sands                                      | ostrate composition (check as Dedicated Cobbles Dedicated Dedicated Cobbles Dedicated Dedicated Cobbles Dedicated Cobble |  |
| ✓ Silts □ Sands                                      | Gobbles Bedi   | <u>_</u>   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/ | Gobbles Bedi   | rock ☑ Gravel □ Vegetation   |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/ | Cobbles Beding Beding Buck Other, Explain:  Stability. Explain: Stable Be/Pool Complexes. Explain:   | rock ☑ Gravel □ Vegetation   |

| Tributary Provides for: Ephemeral Flow Average Flow Events per year: 2-5  Describe Flow Regime: Ephemeral Other Information on Duration and Volume: Surface Flow is: Confined Characteristics: Subsurface Flow: No Explain:  Tributary Has:  | (c) Flow:                  |                   |             |            |           |           |                  |  |
|--|----------------------------|-------------------|-------------|------------|-----------|-----------|------------------|--|
| Surface Flow is:  Subsurface Flow:  No  Explain:  Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank  Changes in soil character  Sediment deposition  Sediment sorting  Abrupt change in plant community  Scour  Multiple observed or predicted flow events  Presence of wrack line  Other (list):  Discontinuous? Explain:  Characteristics:  Characterize Tributary:   | Tributary Provides for:    | Ephemeral Flow    | Average Fl  | low Event  | s per ye  | ar:       | 2-5              |  |
| Subsurface Flow:  No Explain:  Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank  Changes in soil character  Sediment deposition  Sediment sorting  Abrupt change in plant community  Scour  Multiple observed or predicted flow events  Presence of wrack line Other (list):  Discontinuous? Explain:  Substitution of terrestrial vegetation  Mater staining Other (list):  Characterize Tributary:   | Describe Flow Regime:      | Ephemeral         | Other Info  | rmation c  | n Durat   | ion and   | Volume:          |  |
| Tributary Has:  Bed and Banks  OHWM: OHWM Indicators:  Clear, natural line impressed on the bank Changes in soil character Sediment deposition Sediment sorting Scour Multiple observed or predicted flow events Presence of wrack line Other (list): Discontinuous? Explain:  Characterize Tributary:   | Surface Flow is:           | Confined          | Characteri  | stics:     |           |           |                  |  |
| Bed and Banks   ✔ OHWM: OHWM Indicators:   Clear, natural line impressed on the bank Vegetation matted down, bent or absent   ✔ Changes in soil character Leaf litter disturbed or washed away   Shelving Presence of litter and debris   Sediment deposition Destruction of terrestrial vegetation   ✔ Sediment sorting Abrupt change in plant community   Scour Multiple observed or predicted flow events   Presence of wrack line Water staining   Other (list): Discontinuous? Explain:    (iii) Chemical Characteristics:  Characterize Tributary:   | Subsurface Flow:           | No                | Explain:    |            |           |           |                  |  |
| ✓ OHWM: OHWM Indicators:  □ Clear, natural line impressed on the bank □ Changes in soil character □ Leaf litter disturbed or washed away □ Shelving □ Presence of litter and debris □ Sediment deposition □ Destruction of terrestrial vegetation □ Abrupt change in plant community □ Scour □ Multiple observed or predicted flow events □ Presence of wrack line □ Other (list): □ Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:   | Tributary Has:             |                   |             |            |           |           |                  |  |
| ✓ OHWM: OHWM Indicators:  □ Clear, natural line impressed on the bank □ Changes in soil character □ Leaf litter disturbed or washed away □ Shelving □ Presence of litter and debris □ Sediment deposition □ Destruction of terrestrial vegetation □ Abrupt change in plant community □ Scour □ Multiple observed or predicted flow events □ Presence of wrack line □ Other (list): □ Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:   | □ Bed and Banks            |                   |             |            |           |           |                  |  |
| <ul> <li>□ Clear, natural line impressed on the bank</li> <li>□ Changes in soil character</li> <li>□ Leaf litter disturbed or washed away</li> <li>□ Shelving</li> <li>□ Presence of litter and debris</li> <li>□ Sediment deposition</li> <li>☑ Destruction of terrestrial vegetation</li> <li>☑ Sediment sorting</li> <li>□ Abrupt change in plant community</li> <li>□ Scour</li> <li>□ Multiple observed or predicted flow events</li> <li>□ Presence of wrack line</li> <li>□ Other (list):</li> <li>□ Discontinuous? Explain:</li> </ul> (iii) Chemical Characteristics: Characterize Tributary: |                            | dicators:         |             |            |           |           |                  |  |
| <ul> <li>✓ Changes in soil character</li> <li>☐ Shelving</li> <li>☐ Presence of litter and debris</li> <li>☐ Sediment deposition</li> <li>✓ Destruction of terrestrial vegetation</li> <li>✓ Sediment sorting</li> <li>☐ Abrupt change in plant community</li> <li>☐ Scour</li> <li>☐ Multiple observed or predicted flow events</li> <li>☐ Presence of wrack line</li> <li>☐ Water staining</li> <li>☐ Other (list):</li> <li>☐ Discontinuous? Explain:</li> </ul> (iii) Chemical Characteristics: Characterize Tributary:  |                            |                   | □ Ve        | getation   | matted    | down, k   | ent or absent    |  |
| Shelving □ Presence of litter and debris   Sediment deposition ☑ Destruction of terrestrial vegetation   ☑ Sediment sorting □ Abrupt change in plant community   □ Scour □ Multiple observed or predicted flow events   □ Presence of wrack line □ Water staining   Other (list): □ Discontinuous? Explain:    (iii) Chemical Characteristics:  Characterize Tributary:  |                            | •                 |             | _          |           |           |                  |  |
| ✓ Sediment sorting   |                            |                   | ☐ Pr        | esence of  | litter ar | nd debri  | is               |  |
| Scour Multiple observed or predicted flow events Presence of wrack line Water staining Other (list): Discontinuous? Explain:  (iii) Chemical Characteristics: Characterize Tributary:  | ☐ Sediment deposition      | on                | <b>✓</b> De | estruction | of terre  | strial ve | egetation        |  |
| ☐ Presence of wrack line ☐ Water staining Other (list): ☐ Discontinuous? Explain:  (iii) Chemical Characteristics: Characterize Tributary:   | Sediment sorting           |                   | ☐ Ab        | rupt char  | nge in pl | ant con   | nmunity          |  |
| Other (list):  Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:   | ☐ Scour                    |                   | $\square$ M | ultiple ob | served o  | or predi  | cted flow events |  |
| ☐ Discontinuous? Explain:  (iii) Chemical Characteristics:  Characterize Tributary:  | ☐ Presence of wrack        | line              | $\square$ W | ater stain | ing       |           |                  |  |
| (iii) Chemical Characteristics: Characterize Tributary:  | Other (list):              |                   |             |            |           |           |                  |  |
| Characterize Tributary:  | ☐ Discontinuous? Ex        | xplain:           |             |            |           |           |                  |  |
| Characterize Tributary:  | (iii) Chamical Characteris | tice:             |             |            |           |           |                  |  |
| ·  |                            |                   |             |            |           |           |                  |  |
| Identity Specific Pollutants, it known:  |                            | •                 |             |            |           |           |                  |  |
| identify Specific Foliatants, it knows:  | Identify Specific Polli    | utants, if known: |             |            |           |           |                  |  |
|  |                            |                   |             |            |           |           |                  |  |
|  |                            |                   |             |            |           |           |                  |  |
|  |                            |                   |             |            |           |           |                  |  |

| Feature ID: 9F   |   |
|--|---|
| (iv) Biological Characteristics. Channel supports (check all that apply):  |   |
| Riparian Corridor Characteristics:   |   |
| ☐ Wetland Fringe Characteristics:  |   |
| Habitat for:   |   |
| ☐ Federally Listed Species Explain:  |   |
| ☐ Fish/Spawn Areas Explain:  |   |
| ☐ Other environmentally -sensitive species Explain:  |   |
| ☐ Aquatic/Wildlife diversity Explain:  |   |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                         |   |
| (i) Physical Characteristics:  |   |
| Wetland Size (ac): Wetland Type, Explain:  |   |
| Wetland Quality, Explain:  |   |
| Project Wetlands Cross or Serve as State Boundaries, Explain:  |   |
| Wetland Flow is: Explain:  |   |
| Surface Flow is: Characteristics:  |   |
| Subsurface Flow: Explain Findings:   |   |
| ☐ Wetland Directly Abutting Non-TNW  |   |
| ☐ Wetland Not Directly Abutting Non-TNW  |   |
| ☐ Discrete wetland hydrologic connection Explain:  |   |
| ☐ Ecologcal connection Explain:  |   |
| ☐ Separated by berm/barrier Explain:   |   |
| Project Wetlands: River Miles from TNW:  |   |
| Project Wetlands: Aerial Miles from TNW:   |   |
| Flow is From:  |   |
| Approximate Location of Wetland within Floodplain:   |   |
| (ii) Chemical Characteristics:   |   |
| Characterize Wetland System:   |   |
| (iii) Biological Characteristics. Wetland supports (check all that apply):   |   |
| ☐ Riparian Buffer Explain:   |   |
| ☐ Vegetation type/percent cover. Explain:  |   |
| Habitat for:   |   |
| ☐ Federally Listed Species Explain:  |   |
| ☐ Fish/Spawn Areas Explain:  |   |
| ☐ Other environmentally-sensitive species Explain:   |   |
| ☐ Aquatic/Wildlife Diversity Explain:  |   |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)  |   |
| All wetland(s) considered in cumulative analysis:  |   |
| Wetland acres in total being considered in cumulative analysis:  |   |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions) | : |
|  |   |
|  |   |
|  |   |

| C. SIGNIFICANT NEX   | US DETERMINATION   |
|--|--|
| 1. Significant next<br>into TNW. Explai  | us findings for non-RPW that has no adjacent wetlands and flows directly or indirectly n:  |
| between Powers I<br>discharges, in com<br>downstream man<br>possibility of a hyd<br>critical habitats w<br>does not provide<br>drainage does not<br>biological integrity   | nemeral drainage is located more than 100 river miles from the nearest TNW, the Gila River Butte and Gillespie Dam. An analysis of peak yearly discharges and potential flood abination with the geomorphology of the Analysis Area, the presence of a significant made impoundment (Tat Momolikot Dam), and the distance to the TNW, suggests that the drologic connection between this drainage and the TNW is tenuous. No pollutants or ere identified within the Analysis Area. Additionally, this unnamed ephemeral drainage lifecycle support functions, nutrients, or organic carbon to species within the TNW. This have more than a speculative or insubstantial effect on the physical, chemical, and/or of the TNW. Therefore, this unnamed ephemeral drainage does not possess a significant W reach of the Gila River between Powers Butte and Gillespie Dam. |
| 2. Significant nex or indirectly into  | us findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly TNW. Explain:  |
| 3. Significant nex Explain:  | us findings for wetlands adjacent to an RPW but that do not directly abut the RPW.   |
| D. DETERMINATION  1. TNWs and Adja   | S OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE  |
| ☐ TNWs:  |  |
| □ IIVVVS.  | Linear Feet Width (ft), Or, Acres  |
| Motlands adi   | acent to TNIMs:  |
| -  | acent to TNWs: Acres   |
| Reserved for Sect  | ion III D 2 (RPWs):  |
| Reserved for Sect  3. Non-RPWs tha   | ion III D 2 (RPWs): t flow directly or indirectly into TNWs.   |
| Reserved for Sect  3. Non-RPWs tha  Non-TNW/nor  | ion III D 2 (RPWs):  t flow directly or indirectly into TNWs.  n-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus   |
| Reserved for Sect  3. Non-RPWs tha  Non-TNW/nor  | ion III D 2 (RPWs):  t flow directly or indirectly into TNWs.  n-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.   |
| Reserved for Sect  3. Non-RPWs tha  Non-TNW/nor with a TNW, a Length (Linear   | ion III D 2 (RPWs):  t flow directly or indirectly into TNWs.  n-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.   |
| Reserved for Sect  3. Non-RPWs tha  Non-TNW/nor with a TNW, a Length (Linear Reserved for Sec  | ion III D 2 (RPWs):  It flow directly or indirectly into TNWs.  In-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet):  Width (feet):  Acres:  tion III D 4 (Wetlands directly abutting RPWs):   |
| Reserved for Sect  3. Non-RPWs tha  Non-TNW/nor with a TNW, a Length (Linear Reserved for Section Reserved for Reserved for Section Reserved for Reserved fo | ton III D 2 (RPWs):  It flow directly or indirectly into TNWs.  In-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet):  Width (feet):  Acres:  Ition III D 4 (Wetlands directly abutting RPWs):  Stion III D 5 (Wetlands adjacent to but not directly abutting RPWs):  |
| Reserved for Sect  3. Non-RPWs that  Non-TNW/nor with a TNW, a Length (Linear Reserved for Sect Reserved for Sect 6. Wetlands adjated Wetland adjated Sector | ion III D 2 (RPWs):  It flow directly or indirectly into TNWs.  In-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet):  Width (feet):  Acres:  tion III D 4 (Wetlands directly abutting RPWs):   |
| Reserved for Sect  3. Non-RPWs that  Non-TNW/nor with a TNW, a Length (Linear Reserved for Sect Reserved for Sect 6. Wetlands adjates a signification of the section of the | ton III D 2 (RPWs):  It flow directly or indirectly into TNWs.  In-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet):  Width (feet):  Acres:  Ition III D 4 (Wetlands directly abutting RPWs):  Ition III D 5 (Wetlands adjacent to but not directly abutting RPWs):  Incent to non-RPWs that flow directly or indirectly into TNWs.  Incent to non-RPWs which, in combination with the tributary and other adjacent wetlands,  |
| Reserved for Sect  3. Non-RPWs tha  Non-TNW/nor with a TNW, a Length (Linear Reserved for Sect Reserved for Sect 6. Wetlands adjates a significate Estimated size  | ton III D 2 (RPWs):  It flow directly or indirectly into TNWs.  In-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet):  Width (feet):  Acres:  Ition III D 4 (Wetlands directly abutting RPWs):  Ition III D 5 (Wetlands adjacent to but not directly abutting RPWs):  Incent to non-RPWs that flow directly or indirectly into TNWs.  Incent to non-RPWs which, in combination with the tributary and other adjacent wetlands, and nexus with the TNW.  |
| Reserved for Sect  3. Non-RPWs that  Non-TNW/nor with a TNW, a Length (Linear Reserved for Sect Reserved for Sect 6. Wetlands adjates a significate Estimated size  7. Impoundment   | t flow directly or indirectly into TNWs.  n-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet): Width (feet): Acres:  tion III D 4 (Wetlands directly abutting RPWs):  tion III D 5 (Wetlands adjacent to but not directly abutting RPWs):  cent to non-RPWs that flow directly or indirectly into TNWs.  cent to non-RPWs which, in combination with the tributary and other adjacent wetlands, and nexus with the TNW.  e of jurisdictional wetland (in acres):  |
| Reserved for Sect  3. Non-RPWs tha  Non-TNW/nor with a TNW, a Length (Linear Reserved for Sect Reserved for Sect 6. Wetlands adjates a significate Estimated size 7. Impoundment Demonstrations.   | t flow directly or indirectly into TNWs.  n-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet): Width (feet): Acres:  tion III D 4 (Wetlands directly abutting RPWs):  tion III D 5 (Wetlands adjacent to but not directly abutting RPWs):  cent to non-RPWs that flow directly or indirectly into TNWs.  cent to non-RPWs which, in combination with the tributary and other adjacent wetlands, and nexus with the TNW.  ce of jurisdictional wetland (in acres):  cs of jurisdictional waters.   |
| Reserved for Sect  3. Non-RPWs tha  Non-TNW/nor with a TNW, a Length (Linear Reserved for Sect Reserved for Sect 6. Wetlands adjates a significate Estimated size 7. Impoundment Demonstrations.   | ton III D 2 (RPWs):  It flow directly or indirectly into TNWs.  In-RPW waterbody that flows directly or indirectly into a TNW and has a signficant nexus and is therfore jurisdictional.  Feet):   |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 9F   |  |
|--|--|
| As described in Section 3C possess a significant nexus   | 1 above, an analysis of this ephemeral drainage determined that it did not swith the nearest TNW.                                  |
| Explain finding of Other:  |  |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 719.51 linear feet (ft), 7.55 width (ft) acres acres   |
| SECTION IV: DATA SOURCES   |  |
| ✓ Data Sheets Prepared/ ☐ Office Concurs with  | lat Submitted by Applicant/Consultant: WestLand Resources, Inc. Submitted on behalf of Applicant delineation ncur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey H</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | r Study<br>Hydrologic Atlas  |
| ✓ US Geological Survey N   | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                             |
| <ul><li>☐ USDA Nat'l Res Conser</li><li>☐ National Wetlands Invo</li><li>☐ State/Local Wetland Invo</li></ul>  | , , ,  |
| <ul><li>☐ FEMA/FIR Maps</li><li>☐ 100-year Floodplain El</li></ul>   | evation is: (National Geodetic Vertical Datum of 1929)   |
| •  | Name and Date): BING, Microsoft Virtual Earth 2008 Name and Date): Ground Photos; May 2012   |
|  | ns File No. and Date of Response Letter:   |
| Applicable/Supporting Other Information, Ple   | Scientific Literature Citation:  |

| SECTION I: BACKGROUND INFORM  | <u>IATION</u>    |                            |                                      |                       |
|---|------------------|----------------------------|--------------------------------------|-----------------------|
| A. Report Completion Date for App   |                  |                            | 07/30/2012                           |                       |
| B. District Office and File No: Los   | Angeles Distric  | ct, File No. Pending       |                                      |                       |
| C. Project Location and Background  | d Information:   | Drainage Feature 90        | i i                                  |                       |
| City, County, State Sif Oidak Dis   | trict, Tohono    | O'odham Nation, Pima       | and Pinal Counties, A                | Arizona               |
| Center coordinates of site: Lat. 3  | 32.5073          | Long111.9100               |                                      |                       |
| Name of nearest waterbody: Uni  | named Wash 9     | OG .                       |                                      |                       |
| Name of nearest downstream TNV<br>HUC Code: 15050306                                  | V: Gila River    | between Powers Butte       | and Gillespie Dam                    |                       |
| ✓ Map/Diagram of potential jurise   | dictional area   | is available on request    |                                      |                       |
| D. Review Performed for Site Evalu  | ation:           |                            |                                      |                       |
| Office Determination. Date:   |                  |                            |                                      |                       |
| Field Determination. Date: 05/2   | 2012             |                            |                                      |                       |
| SECTION II: SUMMARY OF FINDING  | GS               |                            |                                      |                       |
| A. RHA Section 10 Determination   |                  |                            |                                      |                       |
| There Are No "navigable waters  | of the U.S." w   | vithin RHA jurisdiction ir | the review area.                     |                       |
| B. CWA Section 404 Determination  | n of Jurisdictio | on                         |                                      |                       |
| There Are No "waters of the   | e U.S." within   | CWA jurisdiction in the    | review area.                         |                       |
| 1. Waters of the US:  |                  |                            |                                      |                       |
| Linear Feet   |                  | Width (ft) and/or          | Acres                                |                       |
| Limits of Jurisdiction based on:  |                  |                            |                                      |                       |
| <ol> <li>Non-Regulated Waters/Wet</li> <li>✓ Potentially jurisdictional wa</li> </ol> |                  | etlands were assessed a    | and determined not                   | to be jurisdictional: |
| Drainage is ephemeral and considered jurisdictional if not possess a significant ne   | it possessed a   | significant nexus with a   |                                      | •                     |
| SECTION III: CWA ANALYSIS   |                  |                            |                                      |                       |
| A. TNWs AND WETLANDS ADJACE   | NT TO TNWs       |                            |                                      |                       |
| 1. Identified TNW:  |                  |                            |                                      |                       |
| Rationale for TNW determinat  | ion:             |                            |                                      |                       |
| 2. Rationale for conclusion tha   | t any wetland    | s present are "adjacent'   | ':                                   |                       |
| B. CHARACTERISTICS OF NON-TN\   | W TRIBUTARY      | AND ITS ADJACENT WET       | TLANDS                               |                       |
| TNW Watershed Size (sq mi):   | 49650            | Tributaries flow t         |                                      | 4                     |
| Drainage Area (sq mi):  | 0.00023<br>8.5   |                            | tributary to TNW:                    | 30 (or more)          |
| Average Annual Rainfall (in): Average Annual Snowfall (in):                           | 0                |                            | tributary to RPW:  tributary to TNW: | 30 (or more)          |
| , were be / minder one with (m).  |                  |                            | tributary to RPW:                    | 33 (3. 111012)        |
| ☐ Project waters cross or serv  | e as state bou   | ndaries. Explain:          |                                      |                       |

Feature ID: 9G

| Unnamed drainages v<br>suggests the most lik<br>River. |                       | •                                 |                                    | •               | •         |     |  |
|--|-----------------------|-----------------------------------|------------------------------------|-----------------|-----------|-----|--|
| Tributary is: Natural                                  |                       | Explain:                          |                                    |                 |           |     |  |
| Average Width (ft):                                    | 4.50                  |                                   |                                    |                 |           |     |  |
| Average Depth (ft):                                    | 1                     |                                   |                                    |                 |           |     |  |
| Average Side Slopes:                                   | 2:1                   |                                   |                                    |                 |           |     |  |
| Primary tributary sub                                  | strate                | compositio                        | n (check all th                    | at apply):      |           |     |  |
| ✓ Silts ☐ Sands  | _                     | compositio<br>Cobbles<br>Other, E | ☐ Bedrock                          |                 | □ Vegetat | ion |  |
| ✓ Silts ☐ Sands  | i □<br>⁄luck          | Cobbles Other, E                  | ☐ Bedrock                          |                 | □ Vegetat | ion |  |
| ✓ Silts ☐ Sands ☐ Concrete ☐ M  Tributary Condition/S  | √uck<br>Stability     | Cobbles Other, E                  | ☐ Bedrock  xplain:  Stable         |                 | □ Vegetat | ion |  |
|  | Muck Stability e/Pool | Cobbles Other, E                  | Bedrock  xplain:  Stable  Explain: | <b>✓</b> Gravel | □ Vegetat | ion |  |

| (c) Flow:                       |                       |              |   |              |            |                |     |  |
|---------------------------------|-----------------------|--------------|---|--------------|------------|----------------|-----|--|
| Tributary Provides for:         | Ephemeral Flow        | Average      | Flow Ev                                   | ents per ye  | ar:        | 2-5            |     |  |
| Describe Flow Regime:           | Ephemeral             | Other Inf    | Other Information on Duration and Volume: |              |            | Volume:        |     |  |
| Surface Flow is:                | Confined              | Characte     | Characteristics:                          |              |            |                |     |  |
| Subsurface Flow:                | No                    | Explain:     |   |              |            |                |     |  |
| Tributary Has:                  |                       |              |   |              |            |                |     |  |
| ☐ Bed and Banks                 |                       |              |   |              |            |                |     |  |
| ✓ OHWM: OHWM Inc                | dicators:             |              |   |              |            |                |     |  |
| $\square$ Clear, natural line i | impressed on the bank | : □ <b>ν</b> | /egetati                                  | on matted    | down, b    | ent or absent  | i . |  |
| Changes in soil cha             | racter                |              | eaf litte                                 | r disturbed  | or was     | hed away       |     |  |
| ☐ Shelving                      |                       | □ P          | resence                                   | of litter a  | nd debri   | S              |     |  |
| ☐ Sediment deposition           | on                    |              | estruct                                   | ion of terre | estrial ve | egetation      |     |  |
| Sediment sorting                |                       |              | Abrupt c                                  | hange in pl  | ant com    | nmunity        |     |  |
| ☐ Scour                         |                       |              | Лultiple                                  | observed o   | or predic  | cted flow ever | nts |  |
| ☐ Presence of wrack             | line                  | □ V          | Vater st                                  | aining       |            |                |     |  |
| Other (list):                   |                       |              |   |              |            |                |     |  |
| ☐ Discontinuous? Ex             | rplain:               |              |   |              |            |                |     |  |
| /m> a                           |                       |              |   |              |            |                |     |  |
| (iii) Chemical Characteris      | tics:                 |              |   |              |            |                |     |  |
| Characterize Tributa            | ry:                   |              |   |              |            |                |     |  |
| Identify Specific Pollu         | utants, if known:     |              |   |              |            |                |     |  |
|                                 |                       |              |   |              |            |                |     |  |
|                                 |                       |              |   |              |            |                |     |  |
|                                 |                       |              |   |              |            |                |     |  |
|                                 |                       |              |   |              |            |                |     |  |

| Feature ID: 9G  |
|---|
| (iv) Biological Characteristics. Channel supports (check all that apply):   |
| Riparian Corridor Characteristics:  |
| ☐ Wetland Fringe Characteristics:   |
| Habitat for:  |
| ☐ Federally Listed Species Explain:   |
| ☐ Fish/Spawn Areas Explain:   |
| ☐ Other environmentally -sensitive species  |
| ☐ Aquatic/Wildlife diversity Explain:   |
| 2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW                          |
| (i) Physical Characteristics:   |
| Wetland Size (ac): Wetland Type, Explain:   |
| Wetland Quality, Explain:   |
| Project Wetlands Cross or Serve as State Boundaries, Explain:   |
| Wetland Flow is: Explain:   |
| Surface Flow is: Characteristics:   |
| Subsurface Flow: Explain Findings:  |
| ☐ Wetland Directly Abutting Non-TNW   |
| ☐ Wetland Not Directly Abutting Non-TNW   |
| ☐ Discrete wetland hydrologic connection Explain:   |
| ☐ Ecologcal connection Explain:   |
| ☐ Separated by berm/barrier Explain:  |
| Project Wetlands: River Miles from TNW:   |
| Project Wetlands: Aerial Miles from TNW:  |
| Flow is From:   |
| Approximate Location of Wetland within Floodplain:  |
| (ii) Chemical Characteristics:  |
| Characterize Wetland System:  |
| (iii) Biological Characteristics. Wetland supports (check all that apply):  |
| ☐ Riparian Buffer Explain:  |
| ☐ Vegetation type/percent cover. Explain:   |
| Habitat for:  |
| ☐ Federally Listed Species Explain:   |
| ☐ Fish/Spawn Areas Explain:   |
| ☐ Other environmentally-sensitive species Explain:  |
| ☐ Aquatic/Wildlife Diversity Explain:   |
| 3. Characteristics of all wetlands adjacent to the non-TNW tributary (if any)   |
| All wetland(s) considered in cumulative analysis:   |
| Wetland acres in total being considered in cumulative analysis:   |
| Describe each wetland (directly abuts tributary?; size in acres; overall biological, chemical or physical functions): |
|   |
|   |
|   |

| into TNW. Explain:  This unnamed ephemeral drainage is located more between Powers Butte and Gillespie Dam. An analydischarges, in combination with the geomorpholog downstream manmade impoundment (Tat Momol possibility of a hydrologic connection between this critical habitats were identified within the Analysis does not provide lifecycle support functions, nutries   | gy of the Analysis Area, the presence of a significant likot Dam), and the distance to the TNW, suggests that the s drainage and the TNW is tenuous. No pollutants or a Area. Additionally, this unnamed ephemeral drainage ents, or organic carbon to species within the TNW. This r insubstantial effect on the physical, chemical, and/or  |
|--|---|
| between Powers Butte and Gillespie Dam. An analydischarges, in combination with the geomorpholog downstream manmade impoundment (Tat Momol possibility of a hydrologic connection between this critical habitats were identified within the Analysis does not provide lifecycle support functions, nutried drainage does not have more than a speculative or biological integrity of the TNW. Therefore, this unnersections  | ysis of peak yearly discharges and potential flood<br>gy of the Analysis Area, the presence of a significant<br>likot Dam), and the distance to the TNW, suggests that the<br>s drainage and the TNW is tenuous. No pollutants or<br>s Area. Additionally, this unnamed ephemeral drainage<br>ents, or organic carbon to species within the TNW. This<br>r insubstantial effect on the physical, chemical, and/or |
|  |   |
| 2. Significant nexus findings for non-RPW and its a or indirectly into TNW. Explain:   | adjacent wetlands, where the non-RPW flows directly   |
| 3. Significant nexus findings for wetlands adjacen<br>Explain:   | nt to an RPW but that do not directly abut the RPW.   |
| 1. TNWs and Adjacent Wetlands  TNWs: Linear Feet  Wetlands adjacent to TNWs: Acre  Reserved for Section III D 2 (RPWs):  | Width (ft), Or, Acres   |
|  | TRIVA/a   |
| <ul><li>3. Non-RPWs that flow directly or indirectly into a line of the line o</li></ul> | ectly or indirectly into a TNW and has a signficant nexus   |
| Reserved for Section III D 4 (Wetlands directly abo  |   |
| Reserved for Section III D 5 (Wetlands adjacent to   |   |
| 6. Wetlands adjacent to non-RPWs that flow dire  | ectly or indirectly into TNWs.  |
| <ul> <li>Wetland adjacent to non-RPWs which, in comboning the second has a significant nexus with the TNW.</li> <li>Estimated size of jurisdictional wetland (in acres)</li> </ul>   | bination with the tributary and other adjacent wetlands, res):  |
| 7. Impoundments of jurisdictional waters.  |   |
| Demonstration of Jurisdiction:   |   |
| E. ISOLATED WATERS, INCLUDING ISOLATED WETLA WHICH COULD AFFECT INTERSTATE COMMERCE  | ANDS, THE USE, DEGRADATION OR DESTRUCTION OF  |

Non-Jurisdictional Waters:

Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction.

| Feature ID: 9G   |   |
|--|---|
| As described in Section 30 possess a significant nexus   | C1 above, an analysis of this ephemeral drainage determined that it did not is with the nearest TNW.                                    |
| Explain finding of Other:  |   |
| <ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>   | 1394.75 linear feet (ft), 4.50 width (ft) acres acres   |
| SECTION IV: DATA SOURCES   |   |
| ✓ Data Sheets Prepared/  ☐ Office Concurs with   | Plat Submitted by Applicant/Consultant: WestLand Resources, Inc. /Submitted on behalf of Applicant h delineation oncur with delineation |
| <ul> <li>□ Data Sheets Prepared</li> <li>□ Corps Navigable Wate</li> <li>□ US Geological Survey F</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 dig</li> </ul> | Hydrologic Atlas  |
|  | Map(s) Scale and Quad Name: ains SE, North Komelik, and Santa Rosa Mountains NW 7.5-Minute Quadrangles                                  |
| <ul> <li>□ USDA Nat'l Res Conser</li> <li>□ National Wetlands Inv</li> <li>□ State/Local Wetland In</li> <li>□ FEMA/FIR Maps</li> </ul>                            |   |
| ☐ 100-year Floodplain El   | levation is: (National Geodetic Vertical Datum of 1929)   |
| • •  | Name and Date): BING, Microsoft Virtual Earth 2008  |
|  | Name and Date): Ground Photos; May 2012   |
| <ul><li>☐ Previous Determinatio</li><li>☐ Applicable/Supporting</li></ul>  | ons File No. and Date of Response Letter:   |
| ☐ Applicable/Supporting  |   |
| Other Information, Ple   |   |