APPROVED JURISDICTIONAL DETERMINATION FORM
U.S. Army Corps of Engineers

This form should be completed by following the instructions provided in Section IV of the JD Form Instructional Guidebook.

SECTION I: BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD): February 25, 2013

B. DISTRICT OFFICE, FILE NAME, AND NUMBER:Los Angeles District, SPL-2011-1005-RJD

C. PROJECT LOCATION AND BACKGROUND INFORMATION: Numerous - See attached sheets.
State: Arizona County/parish/borough: Pinal County City:
Center coordinates of site (lat/long in degree decimal format): Lat. 33.08318° **N**, Long. -111.00162° **W**.
Universal Transverse Mercator: Zone 12 499,848 3,660,508
Name of nearest waterbody: Various - See attached sheets.

Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: Gila River
Name of watershed or Hydrologic Unit Code (HUC): 15050100
☒ Check if map/diagram of review area and/or potential jurisdictional areas is/are available upon request.
☐ Check if other sites (e.g., offsite mitigation sites, disposal sites, etc…) are associated with this action and are recorded on a different JD form.

D. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):
☐ Office (Desk) Determination. Date:
☒ Field Determination. Date(s): See file for dates.

SECTION II: SUMMARY OF FINDINGS

A. RHA SECTION 10 DETERMINATION OF JURISDICTION.

There **Are no** *"navigable waters of the U.S."* within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area. [*Required*]
☐ Waters subject to the ebb and flow of the tide.
☐ Waters are presently used, or have been used in the past, or may be susceptible for use to transport interstate or foreign commerce.
Explain: .

B. CWA SECTION 404 DETERMINATION OF JURISDICTION.

There **Are** "*waters of the U.S.*" within Clean Water Act (CWA) jurisdiction (as defined by 33 CFR part 328) in the review area. [*Required*]

1. **Waters of the U.S.**
   a. **Indicate presence of waters of U.S. in review area (check all that apply):** [1]
   - ☒ TNWs, including territorial seas
   - ☒ Wetlands adjacent to TNWs
   - ☐ Relatively permanent waters[2] (RPWs) that flow directly or indirectly into TNWs
   - ☒ Non-RPWs that flow directly or indirectly into TNWs
   - ☐ Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
   - ☐ Wetlands adjacent to but not directly abutting RPWs that flow directly or indirectly into TNWs
   - ☐ Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs
   - ☐ Impoundments of jurisdictional waters
   - ☐ Isolated (interstate or intrastate) waters, including isolated wetlands

   b. **Identify (estimate) size of waters of the U.S. in the review area:**
   Non-wetland waters: linear feet: width (ft) and/or 328.03 acres.
   Wetlands: 0.53 acres.

   c. **Limits (boundaries) of jurisdiction** based on: **Established by OHWM.**
   Elevation of established OHWM (if known): Varies. Note that boundaries of wetland within review area were established through use of the appropriate wetland delineation manuals.

2. **Non-regulated waters/wetlands (check if applicable):**[3]
   ☐ Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional.
   Explain: .

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[1] Boxes checked below shall be supported by completing the appropriate sections in Section III below.
[2] For purposes of this form, an RPW is defined as a tributary that is not a TNW and that typically flows year-round or has continuous flow at least "seasonally" (e.g., typically 3 months).
[3] Supporting documentation is presented in Section III.F.

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

The agencies will assert jurisdiction over TNWs and wetlands adjacent to TNWs. If the aquatic resource is a TNW, complete Section III.A.1 and Section III.D.1. only; if the aquatic resource is a wetland adjacent to a TNW, complete Sections III.A.1 and 2 and Section III.D.1.; otherwise, see Section III.B below.

1. TNW

Identify TNW: **Gila River**.

Summarize rationale supporting determination: See AJD application.

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is "adjacent": Wetlands along the Gila River were located within or immediately adjacent to the ordinary high water mark of the Gila River.

B. CHARACTERISTICS OF TRIBUTARY (THAT IS NOT A TNW) AND ITS ADJACENT WETLANDS (IF ANY):

This section summarizes information regarding characteristics of the tributary and its adjacent wetlands, if any, and it helps determine whether or not the standards for jurisdiction established under *Rapanos* have been met.

The agencies will assert jurisdiction over non-navigable tributaries of TNWs where the tributaries are "relatively permanent waters" (RPWs), i.e. tributaries that typically flow year-round or have continuous flow at least seasonally (e.g., typically 3 months). A wetland that directly abuts an RPW is also jurisdictional. If the aquatic resource is not a TNW, but has year-round (perennial) flow, skip to Section III.D.2. If the aquatic resource is a wetland directly abutting a tributary with perennial flow, skip to Section III.D.4.

A wetland that is adjacent to but that does not directly abut an RPW requires a significant nexus evaluation. Corps districts and EPA regions will include in the record any available information that documents the existence of a significant nexus between a relatively permanent tributary that is not perennial (and its adjacent wetlands if any) and a traditional navigable water, even though a significant nexus finding is not required as a matter of law.

If the waterbody[4] is not an RPW, or a wetland directly abutting an RPW, a JD will require additional data to determine if the waterbody has a significant nexus with a TNW. If the tributary has adjacent wetlands, the significant nexus evaluation must consider the tributary in combination with all of its adjacent wetlands. This significant nexus evaluation that combines, for analytical purposes, the tributary and all of its adjacent wetlands is used whether the review area identified in the JD request is the tributary, or its adjacent wetlands, or both. If the JD covers a tributary with adjacent wetlands, complete Section III.B.1 for the tributary, Section III.B.2 for any onsite wetlands, and Section III.B.3 for all wetlands adjacent to that tributary, both onsite and offsite. The determination whether a significant nexus exists is determined in Section III.C below.

1. Characteristics of non-TNWs that flow directly or indirectly into TNW

(i) General Area Conditions:

Watershed size: 21,319 **square miles**
Drainage area: Varies - See attached sheets. **acres**
Average annual rainfall: 13 inches
Average annual snowfall: 0 inches

(ii) Physical Characteristics:

(a) Relationship with TNW:

☒ Tributary flows directly into TNW.
☒ Tributary flows through **4** tributaries before entering TNW.

Project waters are **2-5** river miles from TNW.
Project waters are **Pick List** river miles from RPW.
Project waters are **2-5** aerial (straight) miles from TNW.
Project waters are **Pick List** aerial (straight) miles from RPW.
Project waters cross or serve as state boundaries. Explain: Gila River flows into Arizona from New Mexico.

[4] Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

Identify flow route to TNW[5]: Note that all waters of the United States within the review area are either a TNW (Gila River) or tributary to the TNW. Maximum stream distance any triburary is away from the TNW is approximately four miles. Tributaries flow directly into TNW or though up to 4 tribuaries before flowing into TNW.
Tributary stream order, if known: Varies from 1 to 7.

(b) General Tributary Characteristics (check all that apply):
Tributary is: ☒ Natural
☐ Artificial (man-made). Explain: .
☐ Manipulated (man-altered). Explain: .

Tributary properties with respect to top of bank (estimate):
Average width: Varies - See attached sheets. feet
Average depth: Varies feet
Average side slopes: **Pick List.**

Primary tributary substrate composition (check all that apply):

☒ Silts	☒ Sands	☐ Concrete
☒ Cobbles	☒ Gravel	☐ Muck
☐ Bedrock	☐ Vegetation. Type/% cover:	
☐ Other. Explain: .		

Tributary condition/stability [e.g., highly eroding, sloughing banks]. Explain: Varies from stable to unstable.
Presence of run/riffle/pool complexes. Explain: Not present.
Tributary geometry: **Relatively straight**
Tributary gradient (approximate average slope): Varies %

(c) Flow:
Tributary provides for: **Ephemeral flow**
Estimate average number of flow events in review area/year: **2-5**
Describe flow regime: Ephemeral flow that is dependent on short duration intense storm events.
Other information on duration and volume: Varies.

Surface flow is: **Discrete.** Characteristics: All waters of the United States within permit review area are discernable features with substrates that are higly permeable.

Subsurface flow: **Unknown**. Explain findings: .
☐ Dye (or other) test performed: .

Tributary has (check all that apply):
☒ Bed and banks
☒ OHWM[6] (check all indicators that apply):

☐ clear, natural line impressed on the bank	☒ the presence of litter and debris
☒ changes in the character of soil	☒ destruction of terrestrial vegetation
☒ shelving	☐ the presence of wrack line
☐ vegetation matted down, bent, or absent	☒ sediment sorting
☒ leaf litter disturbed or washed away	☒ scour
☒ sediment deposition	☐ multiple observed or predicted flow events
☐ water staining	☒ abrupt change in plant community
☐ other (list):	

☐ Discontinuous OHWM.[7] Explain: .

If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction (check all that apply):

☐ High Tide Line indicated by:	☐ Mean High Water Mark indicated by:
☐ oil or scum line along shore objects	☐ survey to available datum;
☐ fine shell or debris deposits (foreshore)	☐ physical markings;
☐ physical markings/characteristics	☐ vegetation lines/changes in vegetation types.
☐ tidal gauges	
☐ other (list):	

(iii) Chemical Characteristics:

[5] Flow route can be described by identifying, e.g., tributary a, which flows through the review area, to flow into tributary b, which then flows into TNW.
[6] A natural or man-made discontinuity in the OHWM does not necessarily sever jurisdiction (e.g., where the stream temporarily flows underground, or where the OHWM has been removed by development or agricultural practices). Where there is a break in the OHWM that is unrelated to the waterbody's flow regime (e.g., flow over a rock outcrop or through a culvert), the agencies will look for indicators of flow above and below the break.
[7] Ibid.

Characterize tributary (e.g., water color is clear, discolored, oily film; water quality; general watershed characteristics, etc.).

Explain: High turbidity and high sediment bed load occurs in the ephemeral channels that are tributrary to Gila River. Turbidity and bed load increases in Gila River when flood flows area present and are much less under base flow conditions. Turbidity and bed load in Gila River are much reduced if only flow is water released from Coolidge Dam.

Identify specific pollutants, if known: Unknown.

(iv) Biological Characteristics. Channel supports (check all that apply):

☒ Riparian corridor. Characteristics (type, average width): Xeroriparian communities along and within watercourses tributary to the Gila River. Mesoriparian and hydroriparian vegetation occur only along the Gila River.

☐ Wetland fringe. Characteristics: .

☒ Habitat for:

☒ Federally Listed species. Explain findings: Gila River is designated as critical habitat for the southwestern willow flycatcher. None of the tributaries are proposed or designated as critical habitat for a listed species. No proposed/listed endangered species is likely to occur along any of the tributaries.

☐ Fish/spawn areas. Explain findings: .

☐ Other environmentally-sensitive species. Explain findings: .

☒ Aquatic/wildlife diversity. Explain findings: High diversity and density of wildlife uses the riparian and wetland plant communities along Gila River.

2. Characteristics of wetlands adjacent to non-TNW that flow directly or indirectly into TNW

(i) Physical Characteristics:

(a) General Wetland Characteristics:

Properties:

Wetland size:0 acres

Wetland type. Explain: The only wetlands in the review area are located along the Gila River. No wetlands occurs along any of the other ephemeral watercourses in the review area and there are no isolated wetlands.

Wetland quality. Explain: .

Project wetlands cross or serve as state boundaries. Explain: .

(b) General Flow Relationship with Non-TNW:

Flow is: **Pick List**. Explain: .

Surface flow is**: Pick List**

Characteristics: .

Subsurface flow: **Pick List**. Explain findings: .

☐ Dye (or other) test performed: .

(c) Wetland Adjacency Determination with Non-TNW:

☐ Directly abutting

☐ Not directly abutting

☐ Discrete wetland hydrologic connection. Explain: .

☐ Ecological connection. Explain: .

☐ Separated by berm/barrier. Explain: .

(d) Proximity (Relationship) to TNW

Project wetlands are **Pick List** river miles from TNW.

Project waters are **Pick List** aerial (straight) miles from TNW.

Flow is from: **Pick List.**

Estimate approximate location of wetland as within the **Pick List** floodplain.

(ii) Chemical Characteristics:

Characterize wetland system (e.g., water color is clear, brown, oil film on surface; water quality; general watershed characteristics; etc.). Explain: .

Identify specific pollutants, if known: .

(iii) Biological Characteristics. Wetland supports (check all that apply):

☐ Riparian buffer. Characteristics (type, average width): .

☐ Vegetation type/percent cover. Explain: .

☐ Habitat for:

☐ Federally Listed species. Explain findings: .

☐ Fish/spawn areas. Explain findings: .

☐ Other environmentally-sensitive species. Explain findings: .

☐ Aquatic/wildlife diversity. Explain findings: .

3. Characteristics of all wetlands adjacent to the tributary (if any)

All wetland(s) being considered in the cumulative analysis: **Pick List**

Approximately ( ) acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

Directly abuts? (Y/N)	Size (in acres)	Directly abuts? (Y/N)	Size (in acres)

Summarize overall biological, chemical and physical functions being performed: .

C. SIGNIFICANT NEXUS DETERMINATION

A significant nexus analysis will assess the flow characteristics and functions of the tributary itself and the functions performed by any wetlands adjacent to the tributary to determine if they significantly affect the chemical, physical, and biological integrity of a TNW. For each of the following situations, a significant nexus exists if the tributary, in combination with all of its adjacent wetlands, has more than a speculative or insubstantial effect on the chemical, physical and/or biological integrity of a TNW. Considerations when evaluating significant nexus include, but are not limited to the volume, duration, and frequency of the flow of water in the tributary and its proximity to a TNW, and the functions performed by the tributary and all its adjacent wetlands. It is not appropriate to determine significant nexus based solely on any specific threshold of distance (e.g. between a tributary and its adjacent wetland or between a tributary and the TNW). Similarly, the fact an adjacent wetland lies within or outside of a floodplain is not solely determinative of significant nexus.

Draw connections between the features documented and the effects on the TNW, as identified in the *Rapanos* Guidance and discussed in the Instructional Guidebook. Factors to consider include, for example:

- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to carry pollutants or flood waters to TNWs, or to reduce the amount of pollutants or flood waters reaching a TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), provide habitat and lifecycle support functions for fish and other species, such as feeding, nesting, spawning, or rearing young for species that are present in the TNW?
- Does the tributary, in combination with its adjacent wetlands (if any), have the capacity to transfer nutrients and organic carbon that support downstream foodwebs?
- Does the tributary, in combination with its adjacent wetlands (if any), have other relationships to the physical, chemical, or biological integrity of the TNW?

Note: the above list of considerations is not inclusive and other functions observed or known to occur should be documented below:

1. **Significant nexus findings for non-RPW that has no adjacent wetlands and flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary itself, then go to Section III.D: For this Approved Jurisdictional Determination (AJD) I found that the width of a wash segment and its length were good indicators to use when differentiating an erosional feature from a jurisdictional watercourse. These two indicators used together accurately reflected the observations I made during my site visits. The results using these two indicators were more consistent than trying to use drainage area and/or runoff calculations as indicators. Based on the observations I made during my various site visits wash segments with an average width of 2', 3', or 4' and over 1,000' in length had sufficient characteristics to support delineation as a water of the United States. I found that all drainage features that averaged less than 2' wide were only erosional features. All drainagefeatures that had 2-4' average widths and were less than 1,000' in length were also considered as only erosional features. All features with a width 5' or greater were considered jurisdictional washes regardless of length. There are only four exceptions to these rules. Wash A1 (9' wide and 474' long) is an erosional feature created mostly by runoff from the Florence-Kelvin Highway functions as a road ditch and not a jurisdictional wash. Wash B7(a) (8' wide and 125') is a secondary channel off of Wash B7 and it no longer carries ordinary high flows. Wash A5(a) (3' wide and 1011' long) has a long narrow watershed that is small so the OHWM characteristics are poorly defined and I decided not to include this segment as a jurisdictional wash. Wash C1(b) (2' wide and 701' long) was included as a jurisdictional wash because the watershed in this drainage had strong definite indicators of an OHWM. For additional information see Section III C in the AJD application.

2. **Significant nexus findings for non-RPW and its adjacent wetlands, where the non-RPW flows directly or indirectly into TNWs.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: The only wetlands within the review area are adjacent to a TNW. There are no wetlands adjacent to any non-RPW within the review area.

3. **Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW.** Explain findings of presence or absence of significant nexus below, based on the tributary in combination with all of its adjacent wetlands, then go to Section III.D: The only wetlands within the review area are adjacent to a TNW. There are no wetlands adjacent to any non-RPW within the review area.

D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE (CHECK ALL THAT APPLY):

1. **TNWs and Adjacent Wetlands.** Check all that apply and provide size estimates in review area:
   ☒ TNWs: linear feet width (ft), Or, 53.95 acres.
   ☒ Wetlands adjacent to TNWs: 0.53 acres.

2. **RPWs that flow directly or indirectly into TNWs.**
   ☐ Tributaries of TNWs where tributaries typically flow year-round are jurisdictional. Provide data and rationale indicating that tributary is perennial: .
   ☐ Tributaries of TNW where tributaries have continuous flow "seasonally" (e.g., typically three months each year) are jurisdictional. Data supporting this conclusion is provided at Section III.B. Provide rationale indicating that tributary flows seasonally: .

   Provide estimates for jurisdictional waters in the review area (check all that apply):
   ☐ Tributary waters: linear feet width (ft).
   ☐ Other non-wetland waters: acres.
   Identify type(s) of waters: .

3. **Non-RPWs[8] that flow directly or indirectly into TNWs.**
   ☒ Waterbody that is not a TNW or an RPW, but flows directly or indirectly into a TNW, and it has a significant nexus with a TNW is jurisdictional. Data supporting this conclusion is provided at Section III.C.

   Provide estimates for jurisdictional waters within the review area (check all that apply):
   ☒ Tributary waters: **272,670** linear feet**Varies**width (ft).
   ☐ Other non-wetland waters: acres.
   Identify type(s) of waters: **.**

4. **Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.**
   ☐ Wetlands directly abut RPW and thus are jurisdictional as adjacent wetlands.
   ☐ Wetlands directly abutting an RPW where tributaries typically flow year-round. Provide data and rationale indicating that tributary is perennial in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: **.**

   ☐ Wetlands directly abutting an RPW where tributaries typically flow "seasonally." Provide data indicating that tributary is seasonal in Section III.B and rationale in Section III.D.2, above. Provide rationale indicating that wetland is directly abutting an RPW: .

   Provide acreage estimates for jurisdictional wetlands in the review area: acres.

5. **Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs.**
   ☐ Wetlands that do not directly abut an RPW, but when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisidictional. Data supporting this conclusion is provided at Section III.C.

   Provide acreage estimates for jurisdictional wetlands in the review area: acres.

6. **Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs.**
   ☐ Wetlands adjacent to such waters, and have when considered in combination with the tributary to which they are adjacent and with similarly situated adjacent wetlands, have a significant nexus with a TNW are jurisdictional. Data supporting this conclusion is provided at Section III.C.

   Provide estimates for jurisdictional wetlands in the review area: acres.

7. **Impoundments of jurisdictional waters.[9]**
   As a general rule, the impoundment of a jurisdictional tributary remains jurisdictional.
   ☐ Demonstrate that impoundment was created from "waters of the U.S.," or
   ☐ Demonstrate that water meets the criteria for one of the categories presented above (1-6), or

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[8]See Footnote # 3.
[9] To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

☐ Demonstrate that water is isolated with a nexus to commerce (see E below).

E. ISOLATED [INTERSTATE OR INTRA-STATE] WATERS, INCLUDING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF WHICH COULD AFFECT INTERSTATE COMMERCE, INCLUDING ANY SUCH WATERS (CHECK ALL THAT APPLY):[10]

☐ which are or could be used by interstate or foreign travelers for recreational or other purposes.
☐ from which fish or shellfish are or could be taken and sold in interstate or foreign commerce.
☐ which are or could be used for industrial purposes by industries in interstate commerce.
☐ Interstate isolated waters. Explain: .
☐ Other factors. Explain: .

Identify water body and summarize rationale supporting determination: .

Provide estimates for jurisdictional waters in the review area (check all that apply):
☐ Tributary waters: linear feet width (ft).
☐ Other non-wetland waters: acres.
Identify type(s) of waters: .
☐ Wetlands: acres.

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS (CHECK ALL THAT APPLY):

☐ If potential wetlands were assessed within the review area, these areas did not meet the criteria in the 1987 Corps of Engineers Wetland Delineation Manual and/or appropriate Regional Supplements.
☐ Review area included isolated waters with no substantial nexus to interstate (or foreign) commerce.
☐ Prior to the Jan 2001 Supreme Court decision in "*SWANCC*," the review area would have been regulated based solely on the "Migratory Bird Rule" (MBR).
☐ Waters do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction. Explain: .
☐ Other: (explain, if not covered above): .

Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (i.e., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment (check all that apply):
☐ Non-wetland waters (i.e., rivers, streams): linear feet width (ft).
☐ Lakes/ponds: acres.
☐ Other non-wetland waters: acres. List type of aquatic resource: .
☐ Wetlands: acres.

Provide acreage estimates for non-jurisdictional waters in the review area that do not meet the "Significant Nexus" standard, where such a finding is required for jurisdiction (check all that apply):
☐ Non-wetland waters (i.e., rivers, streams): linear feet, width (ft).
☐ Lakes/ponds: acres.
☐ Other non-wetland waters: acres. List type of aquatic resource: .
☐ Wetlands: acres.

SECTION IV: DATA SOURCES.

A. SUPPORTING DATA. Data reviewed for JD (check all that apply - checked items shall be included in case file and, where checked and requested, appropriately reference sources below):

☒ Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: See AJD application .
☒ Data sheets prepared/submitted by or on behalf of the applicant/consultant.
☒ Office concurs with data sheets/delineation report.
☐ Office does not concur with data sheets/delineation report.
☐ Data sheets prepared by the Corps: .
☐ Corps navigable waters' study: .
☐ U.S. Geological Survey Hydrologic Atlas: .
☐ USGS NHD data.
☐ USGS 8 and 12 digit HUC maps.
☒ U.S. Geological Survey map(s). Cite scale & quad name: Kearny, Ariz. and Grayback, Ariz.

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[10] Prior to asserting or declining CWA jurisdiction based solely on this category, Corps Districts will elevate the action to Corps and EPA HQ for review consistent with the process described in the Corps/EPA *Memorandum Regarding CWA Act Jurisdiction Following Rapanos.*

- ☐ USDA Natural Resources Conservation Service Soil Survey. Citation: .
- ☐ National wetlands inventory map(s). Cite name: .
- ☐ State/Local wetland inventory map(s): .
- ☐ FEMA/FIRM maps: .
- ☐ 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)
- ☒ Photographs: ☒ Aerial (Name & Date): Aerial Express 2009, NAIP 2010.
  or ☒ Other (Name & Date): Numerous - See file.
- ☐ Previous determination(s). File no. and date of response letter: .
- ☐ Applicable/supporting case law: .
- ☐ Applicable/supporting scientific literature: .
- ☐ Other information (please specify): .

B. ADDITIONAL COMMENTS TO SUPPORT JD: .

Feature ID: Wash A (Zelleweger Wash SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A (Zelleweger Wash SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Zelleweger Wash

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

12777.51 Linear Feet 189.87 Width (ft) and/or 55.70 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	4.15	River Miles from tributary to TNW:	1 (or less)
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1 (or less)
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Directly to TNW

Feature ID: Wash A (Zelleweger Wash SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 189.87

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A (Zelleweger Wash SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash A (Zelleweger Wash SPL-2011-1005-RJD)

☐ 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): 12778 Width (feet): 189.87 Acres: 55.70

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A (Zelleweger Wash SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A1 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 9.35

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash A1 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 474.17 linear feet (ft), 9.35 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A2 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A2 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A2

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A2 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.90

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A2 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash A2 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 253.28 linear feet (ft), 2.90 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A2 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A3 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A3 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A3

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

2616.94 Linear Feet 35.76 Width (ft) and/or 2.15 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.17	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A3 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 35.76

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A3 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash A3 (SPL-2011-1005-RJD)

☐ 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): 2617 Width (feet): 35.76 Acres: 2.15

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A3 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A3(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A3(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A3(a)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

2135.16 Linear Feet 5.43 Width (ft) and/or 0.27 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.04	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A3(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 5.43

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A3(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash A3(a) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): _____ Acres: _____

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters _____ linear feet (ft), _____ 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A3(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A3(a)1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A3(a)1 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A3(A)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.01	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A3(a)1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.32

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A3(a)1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash A3(a)1 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 684.87 linear feet (ft), 2.32 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A3(a)1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A4 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A4 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A4

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

3028.40 Linear Feet 36.72 Width (ft) and/or 2.55 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.42	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A4 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 36.72

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A4 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash A4 (SPL-2011-1005-RJD)

☐ 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): 3028 Width (feet): 36.72 Acres: 2.55

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A4 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A4(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A4(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A4(a)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

2851.56 Linear Feet 11.84 Width (ft) and/or 0.77 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.10	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A4(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 11.84

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A4(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash A4(a) (SPL-2011-1005-RJD)

☐ 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): 2852 Width (feet): 11.83 Acres: 0.77

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A4(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A4(a)1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A4(a)1 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A4(a)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1214.05 Linear Feet 5.72 Width (ft) and/or 0.16 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.03	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A4(a)1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 5.72

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A4(a)1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash A4(a)1 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A4(a)1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A4(a)1(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A4(a)1(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A4(A)1(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A4(a)1(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 1.52

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A4(a)1(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash A4(a)1(a) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 501.34 linear feet (ft), 1.52 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A4(a)1(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A4(a)2 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A4(a)2 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A4(A)2

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.01	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A4(a)2 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.02

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A4(a)2 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash A4(a)2 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 705.41 linear feet (ft), 2.02 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A4(a)2 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A4(b) (SPL_2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A4(a)1 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A4(a)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

318.46 Linear Feet 8.77 Width (ft) and/or 0.06 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A4(b) (SPL_2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 8.77

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A4(b) (SPL_2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash A4(b) (SPL_2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A4(b) (SPL_2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A5 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A5 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A5

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1435.16 Linear Feet 5.55 Width (ft) and/or 0.18 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.03	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A5 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 5.55

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A5 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash A5 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A5 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A5(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A5(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A5(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.01	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A5(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.60

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A5(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash A5(a) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 1010.75 linear feet (ft), 2.60 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A5(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A6 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A6 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A6

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1539.67 Linear Feet 2.71 Width (ft) and/or 0.10 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.01	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A6 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.71

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A6 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash A6 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A6 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A7 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A7 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A7

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1960.57 Linear Feet 3.17 Width (ft) and/or 0.14 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.03	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A7 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.17

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A7 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash A7 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A7 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A8 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A8 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A8

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A8 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.74

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A8 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash A8 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 134.61 linear feet (ft), 3.74 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A8 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A9 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A9 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A9

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1136.78 Linear Feet 88.82 Width (ft) and/or 2.32 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.72	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A9 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 88.82

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A9 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash A9 (SPL-2011-1005-RJD)

☐ 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): 1137 Width (feet): 88.82 Acres: 2.32

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A9 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A9(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A9(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A9(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1071.31 Linear Feet 3.32 Width (ft) and/or 0.08 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A9(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.32

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A9(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash A9(a) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A9(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A9(b) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A9(b) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A9(B)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

643.30 Linear Feet 24.47 Width (ft) and/or 0.36 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.31	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A9(b) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 24.47

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A9(b) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash A9(b) (SPL-2011-1005-RJD)

☐ 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): 643 Width (feet): 24.47 Acres: 0.36

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A9(b) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A10 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A10 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A10

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

2849.74 Linear Feet 46.14 Width (ft) and/or 3.02 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.30	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A10 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 46.14

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A10 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash A10 (SPL-2011-1005-RJD)

☐ 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): 2850 Width (feet): 46.14 Acres: 3.02

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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

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- ☐ 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A10 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A10(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A10(a) (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A10(a)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

2318.01 Linear Feet 1.68 Width (ft) and/or 0.09 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.06	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A10(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 1.68

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A10(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash A10(a) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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

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☐ Data Sheets Prepared by the Corps

☐ Corps Navigable Water Study

☐ US Geological Survey Hydrologic Atlas

- ☐ USGS NHD Data
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☑ US Geological Survey Map(s) Scale and Quad Name:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A10(a) (SPL-2011-1005-RJD)

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- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A10(b) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A10(b) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A10(B)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.05	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A10(b) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 4.79

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A10(b) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash A10(b) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 724.14 linear feet (ft), 4.79 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A10(b) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A10(b)1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A10(b)1 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A10(B)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A10(b)1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.55

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A10(b)1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash A10(b)1 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 476.61 linear feet (ft), 2.55 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A10(b)1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A11 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A11 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A11

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1612.99 Linear Feet 3.58 Width (ft) and/or 0.13 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.07	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A11 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.58

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A11 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash A11 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A11 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A11(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A11(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A11(a)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A11(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.48

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A11(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash A11(a) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters 474.13 linear feet (ft), 2.48 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A11(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash A11(a)1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash A11(a)1 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash A11(A)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash A11(a)1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.54

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash A11(a)1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash A11(a)1 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 205.70 linear feet (ft), 2.54 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash A11(a)1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B (Ripsey Wash SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B (Ripsey Wash SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

22180.16 Linear Feet 172.09 Width (ft) and/or 87.63 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	18.11	River Miles from tributary to TNW:	1 (or less)
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1 (or less)
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Directly to TNW

Feature ID: Wash B (Ripsey Wash SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 172.09

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B (Ripsey Wash SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B (Ripsey Wash SPL-2011-1005-RJD)

☐ 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): 22180 Width (feet): 172.09 Acres: 87.63

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B (Ripsey Wash SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B1 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

3449.67 Linear Feet 20.70 Width (ft) and/or 1.64 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.12	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 20.70

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B1 (SPL-2011-1005-RJD)

☐ 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): 3450 Width (feet): 20.70 Acres: 1.64

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B1(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B1(a) (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B1(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1432.56 Linear Feet 6.92 Width (ft) and/or 0.23 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.01	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B1(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 6.92

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B1(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B1(a) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B1(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B1(a)1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B1(a)1 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B1(A)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

153.51 Linear Feet 7.28 Width (ft) and/or 0.03 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B1(a)1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 7.28

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B1(a)1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B1(a)1 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B1(a)1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B1(b) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B1(b) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B1(B)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

901.26 Linear Feet 6.28 Width (ft) and/or 0.13 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.04	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B1(b) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 6.28

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B1(b) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B1(b) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B1(b) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B1(c) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B1(c) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B1(C)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.01	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B1(c) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.15

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B1(c) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B1(c) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 163.01 linear feet (ft), 2.15 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B1(c) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B2 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B2 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B2

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

941.11 Linear Feet 6.13 Width (ft) and/or 0.13 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.05	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B2 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 6.13

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B2 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B2 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), width (ft)

☐ Other waters acres

☐ Wetlands acres

SECTION IV: DATA SOURCES

☑ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.

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Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B2 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B2(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B2(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B2(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

SECTION II: SUMMARY OF FINDINGS

A. RHA Section 10 Determination of Jurisdiction

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1. Waters of the US:

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2. Non-Regulated Waters/Wetlands:

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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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.01	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B2(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.11

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B2(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B2(a) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 530.84 linear feet (ft), 2.11 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B2(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B3 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B3 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B3

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1953.56 Linear Feet 7.18 Width (ft) and/or 0.32 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.05	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B3 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 7.18

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B3 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B3 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B3 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B3(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B3(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B3(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1963.31 Linear Feet 3.37 Width (ft) and/or 0.15 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B3(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.37

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B3(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B3(a) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B3(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B4 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B4 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B4

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.01	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B4 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 4.17

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B4 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B4 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 556.20 linear feet (ft), 4.17 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B4 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B5 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B5 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B5

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1693.03 Linear Feet 12.46 Width (ft) and/or 0.48 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.03	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B5 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 12.46

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B5 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B5 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B5 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B5(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B5(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B5(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B5(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 1.98

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B5(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B5(a) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 85.62 linear feet (ft), 1.98 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B5(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B5(b) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B5(b) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B5(B)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B5(b) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 0.96

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B5(b) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B5(b) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 61.72 linear feet (ft), 0.96 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B5(b) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

7643.68 Linear Feet 45.88 Width (ft) and/or 8.05 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	1.81	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 45.88

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B6 (SPL-2011-1005-RJD)

☐ 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): 7644 Width (feet): 45.88 Acres: 8.05

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1935.44 Linear Feet 65.11 Width (ft) and/or 2.89 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	1.22	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 65.11

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B6(a) (SPL-2011-1005-RJD)

☐ 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): 1935 Width (feet): 65.11 Acres: 2.89

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(a)1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(a)1 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(A)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

8393.75 Linear Feet 28.33 Width (ft) and/or 5.46 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.45	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(a)1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 28.33

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(a)1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B6(a)1 (SPL-2011-1005-RJD)

☐ 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): 8394 Width (feet): 28.33 Acres: 5.46

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(a)1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(a)1(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(a)1(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(A)1(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.04	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(a)1(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 1.75

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(a)1(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B6(a)1(a) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 175.86 linear feet (ft), 1.75 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(a)1(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(a)1(b) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(a)1(b) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(A)1(B)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

3746.37 Linear Feet 12.84 Width (ft) and/or 1.10 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.16	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(a)1(b) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 12.84

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(a)1(b) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B6(a)1(b) (SPL-2011-1005-RJD)

☐ 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): 3746 Width (feet): 12.84 Acres: 1.10

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), width (ft)

☐ Other waters acres

☐ Wetlands acres

SECTION IV: DATA SOURCES

☑ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.

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- ☐ USGS 8 and 12 digit HUC Map

☑ US Geological Survey Map(s) Scale and Quad Name:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(a)1(b) (SPL-2011-1005-RJD)

- ☐ USDA Nat'l Res Conservation Service Soil Survey Citation:
- ☐ National Wetlands Inventory Maps Cite Map Name:
- ☐ State/Local Wetland Inventory Maps
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- ☐ 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:

Feature ID: Wash B6(a)1(b)1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(a)1(b)1 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(A)1(B)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(a)1(b)1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.58

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(a)1(b)1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B6(a)1(b)1 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 341.70 linear feet (ft), 3.58 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(a)1(b)1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(a)1(c) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(a)1(c) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(A)1(C)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(a)1(c) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.05

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(a)1(c) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B6(a)1(c) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 1328.41 linear feet (ft), 2.05 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(a)1(c) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(a)1(e) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(a)1(e) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(A)1(E)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(a)1(e) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.37

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(a)1(e) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B6(a)1(e) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 294.47 linear feet (ft), 2.37 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(a)1(e) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(a)2 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(a)2 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(A)2

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

4899.22 Linear Feet 41.62 Width (ft) and/or 4.68 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.72	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(a)2 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 41.62

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(a)2 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B6(a)2 (SPL-2011-1005-RJD)

☐ 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): 4899 Width (feet): 41.62 Acres: 4.68

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(a)2 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(a)2(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(a)2(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(A)2(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

3565.94 Linear Feet 3.33 Width (ft) and/or 0.27 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.13	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(a)2(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.33

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(a)2(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B6(a)2(a) (SPL-2011-1005-RJD)

☐ 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): 3566 Width (feet): 3.33 Acres: 0.27

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(a)2(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(a)2(b) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(a)2(b) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(A)2(B)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

7178.88 Linear Feet 8.46 Width (ft) and/or 1.39 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.45	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(a)2(b) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 8.46

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(a)2(b) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B6(a)2(b) (SPL-2011-1005-RJD)

☐ 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): 7179 Width (feet): 8.46 Acres: 1.39

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(a)2(b) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(a)2)(b)1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(a)2)(b)1 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(A)2(B)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1010.10 Linear Feet 13.38 Width (ft) and/or 0.31 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(a)2)(b)1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 13.38

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(a)2)(b)1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B6(a)2)(b)1 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(a)2)(b)1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(a)2(c) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(a)2(c) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(A)2(C)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.04	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(a)2(c) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.54

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(a)2(c) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B6(a)2(c) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 397.71 linear feet (ft), 2.54 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(a)2(c) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(b) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(b) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(B)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

2223.76 Linear Feet 3.12 Width (ft) and/or 0.16 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.04	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(b) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.12

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(b) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B6(b) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(b) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(c) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(c) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(C)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

2431.79 Linear Feet 7.57 Width (ft) and/or 0.42 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.06	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(c) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 7.57

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(c) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B6(c) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(c) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(d) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(d) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(D)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1403.21 Linear Feet 6.34 Width (ft) and/or 0.20 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.04	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(d) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 6.34

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(d) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B6(d) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(d) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(d)1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(d)1 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(D)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(d)1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 1.74

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(d)1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B6(d)1 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 238.49 linear feet (ft), 1.74 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(d)1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(e) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(e) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(E)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

3774.41 Linear Feet 6.39 Width (ft) and/or 0.55 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.16	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(e) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 6.39

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(e) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B6(e) (SPL-2011-1005-RJD)

☐ 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): 3774 Width (feet): 6.39 Acres: 0.55

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(e) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(e)1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(e)1 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(E)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(e)1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.17

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(e)1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B6(e)1 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 935.66 linear feet (ft), 3.17 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(e)1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(f) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(f) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(F)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1445.93 Linear Feet 5.70 Width (ft) and/or 0.19 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.04	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(f) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 5.70

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(f) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B6(f) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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

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☐ 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(f) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(f)1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(f)1 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(F)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1314.97 Linear Feet 3.76 Width (ft) and/or 0.11 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(f)1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.76

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(f)1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B6(f)1 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(f)1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(g) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(g) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(G)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

2390.40 Linear Feet 9.74 Width (ft) and/or 0.53 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.05	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(g) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 9.74

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(g) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B6(g) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(g) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(g)1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(g)1 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(G)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1499.43 Linear Feet 5.04 Width (ft) and/or 0.17 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B6(g)1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 5.04

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(g)1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B6(g)1 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(g)1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B7 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B7 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B7

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1766.58 Linear Feet 11.35 Width (ft) and/or 0.46 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.03	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B7 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 11.35

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B7 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B7 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B7 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B7(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B7(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B7(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B7(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 7.53

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B7(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B7(a) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 125.26 linear feet (ft), 7.53 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B7(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B7(b) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B7(b) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B7(B)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B7(b) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 1.98

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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
- ☐ Shelving
- ☑ Sediment deposition
- ☑ Sediment sorting
- ☐ Scour
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B7(b) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B7(b) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 59.33 linear feet (ft), 1.98 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B7(b) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B8 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B8 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B8

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

6870.58 Linear Feet 31.79 Width (ft) and/or 5.01 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.32	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B8 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 31.79

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B8 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B8 (SPL-2011-1005-RJD)

☐ 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): 6871 Width (feet): 31.79 Acres: 5.01

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B8 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B8(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B8(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B8(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1013.66 Linear Feet 3.65 Width (ft) and/or 0.08 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.03	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B8(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.65

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B8(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B8(a) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B8(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B8(b) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B8(b) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B8(B)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1204.78 Linear Feet 3.47 Width (ft) and/or 0.10 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.04	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B8(b) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.47

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B8(b) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B8(b) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): _____ Acres: _____

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters _____ linear feet (ft), _____ 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B8(b) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B8(c) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B8(c) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B8(C)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

3086.65 Linear Feet 2.30 Width (ft) and/or 0.16 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.06	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B8(c) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.30

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B8(c) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B8(c) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B8(c) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B9 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B9 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B9

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

2020.46 Linear Feet 13.57 Width (ft) and/or 0.63 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.05	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B9 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 13.57

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B9 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B9 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B9 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B9(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B9(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B9(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

325.52 Linear Feet 6.02 Width (ft) and/or 0.05 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B9(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 6.02

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B9(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B9(a) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B9(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B9(b) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B9(b) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B9(B)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B9(b) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 1.87

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B9(b) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B9(b) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 64.71 linear feet (ft), 1.87 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
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☑ US Geological Survey Map(s) Scale and Quad Name:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B9(b) (SPL-2011-1005-RJD)

- ☐ USDA Nat'l Res Conservation Service Soil Survey Citation:
- ☐ National Wetlands Inventory Maps Cite Map Name:
- ☐ State/Local Wetland Inventory Maps
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- ☐ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)
- ☑ Aerial Photographs (Name and Date): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B9(c) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B9(c) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B9(C)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B9(c) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.89

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B9(c) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B9(c) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 670.88 linear feet (ft), 2.89 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B9(c) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B9(d) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B9(d) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B9(D)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.01	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B9(d) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 4.49

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B9(d) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B9(d) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 563.66 linear feet (ft), 4.49 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B9(d) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B10 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B10 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B10

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

5378.66 Linear Feet 13.58 Width (ft) and/or 1.68 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.19	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B10 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 13.58

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B10 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B10 (SPL-2011-1005-RJD)

☐ 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): 5379 Width (feet): 13.58 Acres: 1.68

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B10 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B10(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B10(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B10(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.03	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B10(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.77

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B10(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B10(a) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 403.53 linear feet (ft), 3.77 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B10(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B10(b) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B10(b) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B10(B)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

980.94 Linear Feet 6.34 Width (ft) and/or 0.14 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B10(b) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 6.34

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B10(b) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B10(b) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B10(b) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B10(b)1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B10(b)1 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B10(B)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B10(b)1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.71

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B10(b)1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B10(b)1 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 191.93 linear feet (ft), 2.71 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B10(b)1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B10(c) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B10(c) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B10(C)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1845.55 Linear Feet 4.21 Width (ft) and/or 0.18 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.03	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B10(c) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 4.21

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B10(c) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B10(c) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B10(c) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B11 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B11 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B11

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1327.81 Linear Feet 10.40 Width (ft) and/or 0.32 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.03	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B11 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 10.40

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B11 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B11 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B11 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B11(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B11(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B11(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B11(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 1.90

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B11(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B11(a) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 41.47 linear feet (ft), 1.90 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B11(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B11(b) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B11(b) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B11(B)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.01	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B11(b) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.07

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B11(b) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B11(b) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 113.73 linear feet (ft), 2.07 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B11(b) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B12 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, File Los Angeles District, SPL

C. Project Location and Background Information: **Drainage ID:** Wash B12 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B12

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

5488.71 Linear Feet 12.44 Width (ft) and/or 1.57 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.77	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B12 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 12.44

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B12 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B12 (SPL-2011-1005-RJD)

☐ 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): 5489 Width (feet): 12.44 Acres: 1.57

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B12 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B12(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B12(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B12(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

4628.54 Linear Feet 23.20 Width (ft) and/or 2.46 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.17	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B12(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 23.20

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B12(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B12(a) (SPL-2011-1005-RJD)

☐ 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): 4629 Width (feet): 23.20 Acres: 2.46

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B12(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B12(a)1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B12(a)1 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B12(A)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

943.85 Linear Feet 7.58 Width (ft) and/or 0.16 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.04	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B12(a)1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 7.58

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B12(a)1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B12(a)1 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B12(a)1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B12(a)2)SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B12(a)2)SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B12(A)2

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

258.32 Linear Feet 9.79 Width (ft) and/or 0.06 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B12(a)2)SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 9.79

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B12(a)2)SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B12(a)2)SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B12(a)2)SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B12(b) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B12(b) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B12(B)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1804.44 Linear Feet 4.77 Width (ft) and/or 0.20 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.08	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B12(b) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 4.77

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B12(b) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B12(b) (SPL-2011-1005-RJD)

☐ 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): 1804 Width (feet): 4.77 Acres: 0.20

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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
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☐ Corps Navigable Water Study

☐ US Geological Survey Hydrologic Atlas

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☑ US Geological Survey Map(s) Scale and Quad Name:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B12(b) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B12(b)1 (SPL-2011-1055-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B12(b)1 (SPL-2011-1055-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B12(B)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1103.14 Linear Feet 2.51 Width (ft) and/or 0.06 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B12(b)1 (SPL-2011-1055-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.51

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B12(b)1 (SPL-2011-1055-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B12(b)1 (SPL-2011-1055-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B12(b)1 (SPL-2011-1055-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B12(b)2 (SPL-2011-1055-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B12(b)2 (SPL-2011-1055-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B12(B)2

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1072.14 Linear Feet 3.57 Width (ft) and/or 0.09 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.03	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B12(b)2 (SPL-2011-1055-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.57

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B12(b)2 (SPL-2011-1055-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B12(b)2 (SPL-2011-1055-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B12(b)2 (SPL-2011-1055-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B13 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B13 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B13

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

3469.59 Linear Feet 11.52 Width (ft) and/or 0.92 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.06	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B13 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 11.52

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B13 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B13 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B13 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B14 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B14 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B14

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

6610.86 Linear Feet 31.22 Width (ft) and/or 4.74 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.53	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B14 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 31.22

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B14 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B14 (SPL-2011-1005-RJD)

☐ 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): 6611 Width (feet): 31.22 Acres: 4.74

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B14 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B14(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B14(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B14(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

2173.99 Linear Feet 8.50 Width (ft) and/or 0.42 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.04	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B14(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 8.50

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B14(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B14(a) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B14(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B14(a)1)SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B14(a)1)SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B14(A)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B14(a)1)SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 4.44

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B14(a)1)SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B14(a)1)SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters 261.34 linear feet (ft), 4.44 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B14(a)1)SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B14(b) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B14(b) (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B14(B)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

2901.62 Linear Feet 3.58 Width (ft) and/or 0.24 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.04	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B14(b) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.58

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B14(b) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B14(b) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B14(b) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B14(c) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B14(c) (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B14(C)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1811.21 Linear Feet 5.45 Width (ft) and/or 0.23 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.05	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B14(c) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 5.45

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B14(c) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B14(c) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B14(c) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B14(d) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B14(d) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B14(D)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.01	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B14(d) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.30

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B14(d) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B14(d) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters 686.34 linear feet (ft), 3.30 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B14(d) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B14(e) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B14(e) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B14(E)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

449.83 Linear Feet 54.95 Width (ft) and/or 0.57 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.07	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B14(e) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 54.95

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B14(e) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B14(e) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B14(e) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B15 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B15 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B15

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

859.24 Linear Feet 10.56 Width (ft) and/or 0.21 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.03	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B15 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 10.56

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B15 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B15 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B15 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B16 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B16 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B16

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

2453.83 Linear Feet 7.30 Width (ft) and/or 0.41 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.05	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B16 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 7.30

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B16 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B16 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B16 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B17 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B17 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B17

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

5686.78 Linear Feet 26.04 Width (ft) and/or 3.40 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.62	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B17 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 26.04

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B17 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B17 (SPL-2011-1005-RJD)

☐ 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): 5687 Width (feet): 26.04 Acres: 3.40

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B17 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B17(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B17(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B17(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

5213.98 Linear Feet 15.00 Width (ft) and/or 1.79 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.22	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B17(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 15.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B17(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B17(a) (SPL-2011-1005-RJD)

☐ 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): 5214 Width (feet): 15.00 Acres: 1.79

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B17(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B17(a)1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B17(a)1 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B17(A)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1774.84 Linear Feet 9.67 Width (ft) and/or 0.39 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.04	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B17(a)1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 9.67

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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
- ☐ Shelving
- ☑ Sediment deposition
- ☑ Sediment sorting
- ☐ Scour
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B17(a)1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B17(a)1 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B17(a)1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B17(a)2 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B17(a)2 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B17(A)2

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

944.68 Linear Feet 9.03 Width (ft) and/or 0.20 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.04	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B17(a)2 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 9.03

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:

Tributary Condition/Stability. Explain: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B17(a)2 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B17(a)2 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B17(a)2 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B17(a)3(SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B17(a)3(SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B17(A)3

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1373.44 Linear Feet 6.80 Width (ft) and/or 0.21 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.04	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	1-2
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B17(a)3(SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 6.80

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B17(a)3(SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B17(a)3(SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B17(a)3(SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B17(a)4 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B17(a)4 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B17(A)4

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

689.56 Linear Feet 9.02 Width (ft) and/or 0.14 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B17(a)4 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 9.02

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B17(a)4 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B17(a)4 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B17(a)4 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B17(a)4(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B17(a)4(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B17(A)4(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

451.51 Linear Feet 5.80 Width (ft) and/or 0.06 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.01	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B17(a)4(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 5.80

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B17(a)4(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B17(a)4(a) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B17(a)4(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B17(a)5 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B17(a)5 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash 17(A)5

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

772.14 Linear Feet 8.19 Width (ft) and/or 0.15 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B17(a)5 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 8.19

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B17(a)5 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B17(a)5 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B17(a)5 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B17(a)5(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B17(a)5(a) (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B17(A)5(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

465.36 Linear Feet 8.55 Width (ft) and/or 0.09 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.01	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B17(a)5(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 8.55

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B17(a)5(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B17(a)5(a) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B17(a)5(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B17(b) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B17(b) (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B17(B)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

3141.19 Linear Feet 6.27 Width (ft) and/or 0.45 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.07	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B17(b) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 6.27

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B17(b) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B17(b) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B17(b) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B17(b)1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B17(b)1 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B17(B)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.01	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B17(b)1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.98

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B17(b)1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B17(b)1 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters 765.32 linear feet (ft), 2.98 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B17(b)1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B17(c) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B17(c) (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B17(C)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1488.20 Linear Feet 4.80 Width (ft) and/or 0.16 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.04	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B17(c) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 4.80

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B17(c) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B17(c) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), width (ft)

☐ Other waters acres

☐ Wetlands acres

SECTION IV: DATA SOURCES

☑ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.

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- ☐ USGS NHD Data
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☑ US Geological Survey Map(s) Scale and Quad Name:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B17(c) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B17(c)1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B17(c)1 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B17(C)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B17(c)1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.85

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B17(c)1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B17(c)1 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters 386.88 linear feet (ft), 2.85 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B17(c)1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B17(d) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B17(d) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B17(D)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

968.29 Linear Feet 4.62 Width (ft) and/or 0.10 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B17(d) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 4.62

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B17(d) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B17(d) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B17(d) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B18 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B18 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B18

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1221.57 Linear Feet 4.48 Width (ft) and/or 0.13 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.03	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B18 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 4.48

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B18 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B18 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B18 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B19 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B19 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B19

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1436.34 Linear Feet 5.54 Width (ft) and/or 0.18 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.05	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B19 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 5.54

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B19 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B19 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B19 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B20 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B20 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B20

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1746.86 Linear Feet 5.31 Width (ft) and/or 0.21 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.09	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B20 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 5.31

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B20 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B20 (SPL-2011-1005-RJD)

☐ 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): 1747 Width (feet): 5.31 Acres: 0.21

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B20 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B21 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B21 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B21

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

3218.30 Linear Feet 94.85 Width (ft) and/or 7.01 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	1.21	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B21 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 94.85

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B21 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B21 (SPL-2011-1005-RJD)

☐ 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): 3218 Width (feet): 94.85 Acres: 7.01

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B21 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B21(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B21(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B21(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1390.86 Linear Feet 22.72 Width (ft) and/or 0.73 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.12	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☑ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B21(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 22.72

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B21(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B21(a) (SPL-2011-1005-RJD)

☐ 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): 1391 Width (feet): 22.74 Acres: 0.73

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B21(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B21(b) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B21(b) (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B21(B)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1251.34 Linear Feet 54.71 Width (ft) and/or 1.57 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.08	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B21(b) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 54.71

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B21(b) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B21(b) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B21(b) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B21(c) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B21(c) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B21(C)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

130.26 Linear Feet 55.82 Width (ft) and/or 0.17 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.14	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B21(c) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 55.82

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B21(c) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B21(c) (SPL-2011-1005-RJD)

☐ 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): 130 Width (feet): 55.82 Acres: 0.17

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B21(c) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B22 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B22 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B22

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

3871.29 Linear Feet 190.07 Width (ft) and/or 16.89 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.85	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B22 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 190.07

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B22 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B22 (SPL-2011-1005-RJD)

☐ 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): 3871 Width (feet): 190.07 Acres: 16.89

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B22 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B22(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B22(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B22(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1118.37 Linear Feet 119.40 Width (ft) and/or 3.07 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.21	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B22(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 119.40

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B22(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B22(a) (SPL-2011-1005-RJD)

☐ 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): 1118 Width (feet): 119.40 Acres: 3.07

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B22(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B23 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B23 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B23

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

527.37 Linear Feet 18.51 Width (ft) and/or 0.22 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.03	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B23 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 18.51

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B23 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B23 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): _____ Acres: _____

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters _____ linear feet (ft), _____ 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B23 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B24 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B24 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B24

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1903.28 Linear Feet 126.61 Width (ft) and/or 5.53 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	2.49	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B24 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 126.61

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B24 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B24 (SPL-2011-1005-RJD)

☐ 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): 1903 Width (feet): 126.61 Acres: 5.53

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B24 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B24(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B24(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B24(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

934.05 Linear Feet 18.39 Width (ft) and/or 0.39 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.56	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B24(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 18.39

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B24(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B24(a) (SPL-2011-1005-RJD)

☐ 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): 934 Width (feet): 18.39 Acres: 0.39

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B24(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B25 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B25 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B25

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1204.56 Linear Feet 68.30 Width (ft) and/or 1.89 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.33	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B25 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 68.30

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B25 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B25 (SPL-2011-1005-RJD)

☐ 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): 1205 Width (feet): 68.30 Acres: 1.89

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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
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☐ Data Sheets Prepared by the Corps

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☐ US Geological Survey Hydrologic Atlas

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- ☐ USGS 8 and 12 digit HUC Map

☑ US Geological Survey Map(s) Scale and Quad Name:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B25 (SPL-2011-1005-RJD)

- ☐ 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)
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- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B25(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B25(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B25(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

242.10 Linear Feet 17.41 Width (ft) and/or 0.10 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.09	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B25(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 17.41

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B25(a) (SPL-2011-1005-RJD)

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):

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B25(a) (SPL-2011-1005-RJD)

☐ 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): 242 Width (feet): 17.41 Acres: 0.10

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B25(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B26 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B26 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B26

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

92.89 Linear Feet 19.01 Width (ft) and/or 0.04 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.08	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash B26 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 19.01

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B26 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash B26 (SPL-2011-1005-RJD)

☐ 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): 93 Width (feet): 19.01 Acres: 0.04

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B26 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

13157.70 Linear Feet 49.42 Width (ft) and/or 14.93 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	1.61	River Miles from tributary to TNW:	1 (or less)
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1 (or less)
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Directly to TNW

Feature ID: Wash C (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 49.42

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash C (SPL-2011-1005-RJD)

☐ 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): 13158 Width (feet): 49.42 Acres: 14.93

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C1 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1339.20 Linear Feet 4.03 Width (ft) and/or 0.12 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.13	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 4.03

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:

Tributary Condition/Stability. Explain: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash C1 (SPL-2011-1005-RJD)

☐ 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): 1339 Width (feet): 4.03 Acres: 0.12

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C1(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C1(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C1(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.03	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C1(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 1.35

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C1(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash C1(a) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 868.70 linear feet (ft), 1.35 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C1(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C1(b) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C1(b) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C1(B)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

700.67 Linear Feet 2.29 Width (ft) and/or 0.04 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.04	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C1(b) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.29

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C1(b) (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash C1(b) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C1(b) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C1(b)1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C1(b)1 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C1(B)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C1(b)1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 1.95

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C1(b)1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash C1(b)1 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 333.39 linear feet (ft), 1.95 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C1(b)1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C1(b)2 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C1(b)2 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C1(B)2

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.01	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C1(b)2 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.43

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C1(b)2 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash C1(b)2 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 422.05 linear feet (ft), 2.43 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C1(b)2 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C2 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C2 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C2

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1458.08 Linear Feet 6.96 Width (ft) and/or 0.23 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.13	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C2 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 6.96

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C2 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash C2 (SPL-2011-1005-RJD)

☐ 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): 1458 Width (feet): 6.96 Acres: 0.23

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C2 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C3 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C3 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C3

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1559.97 Linear Feet 7.13 Width (ft) and/or 0.26 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.06	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C3 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 7.13

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C3 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash C3 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C3 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C4 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C4 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C4

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

3838.60 Linear Feet 8.51 Width (ft) and/or 0.75 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.11	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C4 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 8.51

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C4 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash C4 (SPL-2011-1005-RJD)

☐ 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): 3839 Width (feet): 8.51 Acres: 0.75

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C4 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C5 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C5 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C5

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

3646.16 Linear Feet 18.94 Width (ft) and/or 1.59 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.18	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C5 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 18.94

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C5 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash C5 (SPL-2011-1005-RJD)

☐ 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): 3646 Width (feet): 18.95 Acres: 1.59

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C5 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C5(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C5(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C5(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1205.83 Linear Feet 11.52 Width (ft) and/or 0.32 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.07	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C5(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 11.52

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C5(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash C5(a) (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C5(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C5(b) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C5(b) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C5(B)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.01	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C5(b) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.15

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C5(b) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash C5(b) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters 485.31 linear feet (ft), 3.15 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C5(b) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C5(c) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C5(c) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C5(C)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.01	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C5(c) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.86

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C5(c) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash C5(c) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters 92.49 linear feet (ft), 3.86 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C5(c) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C6 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C6 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C6

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1952.57 Linear Feet 3.41 Width (ft) and/or 0.15 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.09	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C6 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.41

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C6 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash C6 (SPL-2011-1005-RJD)

☐ 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): 1953 Width (feet): 3.41 Acres: 0.15

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C6 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C7 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C7 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C7

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

985.11 Linear Feet 5.66 Width (ft) and/or 0.13 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.04	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C7 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 5.66

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C7 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash C7 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C7 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C8 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C8 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C8

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.03	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C8 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.25

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C8 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash C8 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 392.47 linear feet (ft), 2.25 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C8 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C9 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C9 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C9

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

910.55 Linear Feet 4.20 Width (ft) and/or 0.09 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.09	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C9 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 4.20

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C9 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash C9 (SPL-2011-1005-RJD)

☐ 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): 911 Width (feet): 4.20 Acres: 0.09

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C9 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C9(a) (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C9(a) (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C9(A)

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.04	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C9(a) (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 4.47

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C9(a) (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash C9(a) (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters 508.13 linear feet (ft), 4.47 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C9(a) (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C9(a)1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C9(a)1 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C9(A)1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C9(a)1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.98

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C9(a)1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash C9(a)1 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters 455.15 linear feet (ft), 2.98 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C9(a)1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C10 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C10 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C10

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1479.51 Linear Feet 3.24 Width (ft) and/or 0.11 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.09	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C10 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 3.24

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C10 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash C10 (SPL-2011-1005-RJD)

☐ 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): 1480 Width (feet): 3.24 Acres: 0.11

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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C10 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C11 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C11 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C11

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.03	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C11 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 1.83

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C11 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash C11 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters 608.55 linear feet (ft), 1.83 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C11 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C12 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C12 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C12

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.01	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C12 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.16

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C12 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash C12 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters 442.66 linear feet (ft), 2.16 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C12 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C14 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C14 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C14

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.03	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C14 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 2.34

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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
- ☐ Shelving
- ☑ Sediment deposition
- ☑ Sediment sorting
- ☐ Scour
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C14 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash C14 (SPL-2011-1005-RJD)

☐ 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:

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.

Explain finding of no Significant Nexus:

☐ Non-wetland waters 244.77 linear feet (ft), 2.34 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C14 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C15 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C15 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C15

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

724.33 Linear Feet 4.01 Width (ft) and/or 0.07 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.05	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C15 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 4.01

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C15 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash C15 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C15 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash C16 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash C16 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash C16

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

1796.83 Linear Feet 5.77 Width (ft) and/or 0.24 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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.05	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash C16 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 5.77

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash C16 (SPL-2011-1005-RJD)

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash C16 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash C16 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash D (SPL-2011-1005-RJD(

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash D (SPL-2011-1005-RJD(

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash D

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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:

Drainages are ephemeral, lack an ordinary high water mark, and do not qualify as TNWs or RPWs. Therefore, these drainages would only be considered jurisdictional if they possessed a significant nexus with a TNW. This drainage does not possess a significant nexus with the nearest 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.02	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Wash D (SPL-2011-1005-RJD(

Tributary is: Natural Explain:

Average Width (ft): 4.50

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash D (SPL-2011-1005-RJD(

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 DETERMINATION

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

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

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

Feature ID: Wash D (SPL-2011-1005-RJD(

☐ 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:

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.

Explain finding of no Significant Nexus:

Only non-RPWs with greater than a 50-acre watershed possess more than a speculative or insubstantial effect on the integrity of the nearest TNW, the Gila River

☑ Non-wetland waters 499.67 linear feet (ft), 4.50 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash D (SPL-2011-1005-RJD(

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Gila River (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Gila River (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Gila River

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: TNW

31680.00 Linear Feet 68.33 Width (ft) and/or 49.69 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be jurisdictional:

SECTION III: CWA ANALYSIS

A. TNWs AND WETLANDS ADJACENT TO TNWs

1. Identified TNW: Gila River

Rationale for TNW determination:

The Gila River likely is or has been used, and is susceptible for use, in waterborne interstate commerce.

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	21319.08	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Gila River (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 71.69

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Gila River (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Gila River (SPL-2011-1005-RJD)

☑ TNWs: 32866.00 Linear Feet 72.00 Width (ft), Or, 54.09 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Gila River (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash GR1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash GR1 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash GR1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

139.03 Linear Feet 16.26 Width (ft) and/or 0.05 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.28	River Miles from tributary to TNW:	1 (or less)
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1 (or less)
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Directly to TNW

Feature ID: Wash GR1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 16.26

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash GR1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash GR1 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash GR1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash GR2 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash GR2 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash GR2

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

228.53 Linear Feet 15.18 Width (ft) and/or 0.08 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.30	River Miles from tributary to TNW:	1 (or less)
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1 (or less)
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Directly to TNW

Feature ID: Wash GR2 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 15.18

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash GR2 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash GR2 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash GR2 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash GR3 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash GR3 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash GR3

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

220.98 Linear Feet 79.22 Width (ft) and/or 0.40 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	2.92	River Miles from tributary to TNW:	1 (or less)
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1 (or less)
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Directly to TNW

Feature ID: Wash GR3 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 79.22

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash GR3 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash GR3 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash GR3 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash GR4 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash GR4 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash GR4

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

186.68 Linear Feet 96.45 Width (ft) and/or 0.41 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	3.21	River Miles from tributary to TNW:	1 (or less)
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1 (or less)
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Directly to TNW

Feature ID: Wash GR4 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 96.45

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash GR4 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash GR4 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash GR4 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash GR5 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash GR5 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash GR5

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

317.81 Linear Feet 94.29 Width (ft) and/or 0.69 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	1.51	River Miles from tributary to TNW:	1 (or less)
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1 (or less)
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Directly to TNW

Feature ID: Wash GR5 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 94.29

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash GR5 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash GR5 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash GR5 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash GR6 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash GR6 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash GR6

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

229.10 Linear Feet 32.79 Width (ft) and/or 0.17 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.32	River Miles from tributary to TNW:	1 (or less)
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1 (or less)
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Directly to TNW

Feature ID: Wash GR6 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 32.79

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash GR6 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash GR6 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash GR6 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash GR7 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash GR7 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash GR7

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

248.11 Linear Feet 19.44 Width (ft) and/or 0.11 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.43	River Miles from tributary to TNW:	1 (or less)
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1 (or less)
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Directly to TNW

Feature ID: Wash GR7 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 19.44

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash GR7 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash GR7 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash GR7 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash GR8 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash GR8 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash GR8

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

399.82 Linear Feet 7.22 Width (ft) and/or 0.07 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.15	River Miles from tributary to TNW:	1 (or less)
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1 (or less)
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Directly to TNW

Feature ID: Wash GR8 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 7.22

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash GR8 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash GR8 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash GR8 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash GR9 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash GR9 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash GR9

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

91.70 Linear Feet 7.54 Width (ft) and/or 0.02 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.11	River Miles from tributary to TNW:	1 (or less)
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1 (or less)
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Directly to TNW

Feature ID: Wash GR9 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 7.54

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash GR9 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash GR9 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash GR9 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash GR10 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash GR10 (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash GR10

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

293.49 Linear Feet 10.52 Width (ft) and/or 0.07 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.38	River Miles from tributary to TNW:	1 (or less)
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1 (or less)
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Directly to TNW

Feature ID: Wash GR10 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 10.52

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash GR10 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash GR10 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash GR10 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash GR11 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash GR11 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash GR11

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

185.87 Linear Feet 7.70 Width (ft) and/or 0.03 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.36	River Miles from tributary to TNW:	1 (or less)
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1 (or less)
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Directly to TNW

Feature ID: Wash GR11 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 7.70

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash GR11 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash GR11 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash GR11 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Mineral Creek (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Mineral Creek (SPL-2011-1005-RJD)

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Mineral Creek

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

293.04 Linear Feet 40.21 Width (ft) and/or 0.27 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	32.75	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Ephemeral Wash(s) to TNW

Feature ID: Mineral Creek (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 40.21

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Mineral Creek (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Mineral Creek (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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
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Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Mineral Creek (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash MC1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash MC1 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash MC1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

201.37 Linear Feet 8.38 Width (ft) and/or 0.04 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.39	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Tributary is: Natural Explain:

Average Width (ft): 8.38

Average Depth (ft): 1

Average Side Slopes: 2:1

Feature ID: Wash MC1 (SPL-2011-1005-RJD)

Primary tributary substrate composition (check all that apply):

☑ Silts ☑ Sands ☑ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation

☐ Concrete ☐ Muck Other, Explain:

Tributary Condition/Stability. Explain: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for:	Ephemeral Flow	Average Flow Events per year:	
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
- ☐ Shelving
- ☑ Sediment deposition
- ☑ Sediment sorting
- ☐ Scour
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ 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:	

Feature ID: Wash MC1 (SPL-2011-1005-RJD)

☐ 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 DETERMINATION

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

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.

Feature ID: Wash MC1 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

☐ 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): Aerials Express 2009; NAIP 2010

☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash MC1 (SPL-2011-1005-RJD)

Feature ID: Wash MC2 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash MC2 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash MC2

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Non-RPW that flows directly or indirectly into TNW

205.40 Linear Feet 4.23 Width (ft) and/or 0.02 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:

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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.20	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Tributary is: Natural Explain:

Average Width (ft): 4.23

Average Depth (ft): 1

Average Side Slopes: 2:1

Feature ID: Wash MC2 (SPL-2011-1005-RJD)

Primary tributary substrate composition (check all that apply):

☑ Silts ☑ Sands ☑ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation

☐ Concrete ☐ Muck Other, Explain:

Tributary Condition/Stability. Explain: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for:	Ephemeral Flow	Average Flow Events per year:	
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
- ☐ Shelving
- ☑ Sediment deposition
- ☑ Sediment sorting
- ☐ Scour
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ 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:	

Feature ID: Wash MC2 (SPL-2011-1005-RJD)

☐ 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 DETERMINATION

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

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.

Feature ID: Wash MC2 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

☐ 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): Aerials Express 2009; NAIP 2010

☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash MC2 (SPL-2011-1005-RJD)

Feature ID: Wash B6(a)2(b) Pond 1 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(a)2(b) Pond 1 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(a)2(b) Pond 1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Impoundments of jurisdictional waters

0.00 Linear Feet 0.00 Width (ft) and/or 0.52 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.36	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Pond to ephemeral wash(s) to TNW

Feature ID: Wash B6(a)2(b) Pond 1 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(a)2(b) Pond 1 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B6(a)2(b) Pond 1 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(a)2(b) Pond 1 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B6(a)2(b) Pond 2 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B6(a)2(b) Pond 2 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B6(a)2(b) Pond 2

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Impoundments of jurisdictional waters

0.00 Linear Feet 0.00 Width (ft) and/or 0.23 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.38	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Pond to ephemeral wash(s) to TNW

Feature ID: Wash B6(a)2(b) Pond 2 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B6(a)2(b) Pond 2 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B6(a)2(b) Pond 2 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B6(a)2(b) Pond 2 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: Wash B12 Pond 3 (SPL-2011-1005-RJD)

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage ID:** Wash B12 Pond 3 (SPL-2011-1005-RJD)

City, County, State: Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wash B12 Pond 3

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Impoundments of jurisdictional waters

0.00 Linear Feet 0.00 Width (ft) and/or 0.11 Acres

Limits of Jurisdiction based on: Established by OHWM

2. Non-Regulated Waters/Wetlands:

☐ Potentially jurisdictional waters and/or wetlands were assessed and determined not to be 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):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.42	River Miles from tributary to TNW:	1-2
Average Annual Rainfall (in):	13	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	0	Aerial Miles from tributary to TNW:	1-2
		Aerial Miles from tributary to RPW:	

☐ Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW:

Pond to ephemeral wash(s) to TNW

Feature ID: Wash B12 Pond 3 (SPL-2011-1005-RJD)

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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

☐ Shelving

☑ Sediment deposition

☑ Sediment sorting

☐ Scour

☐ Presence of wrack line

☐ Vegetation matted down, bent or absent

☐ Leaf litter disturbed or washed away

☐ Presence of litter and debris

☑ Destruction of terrestrial vegetation

☐ Abrupt change in plant community

☐ Multiple observed or predicted flow events

☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wash B12 Pond 3 (SPL-2011-1005-RJD)

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 DETERMINATION

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

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

Feature ID: Wash B12 Pond 3 (SPL-2011-1005-RJD)

☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: Wash B12 Pond 3 (SPL-2011-1005-RJD)

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W1**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W1**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W1

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.00 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W1**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W1**

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 DETERMINATION

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

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

Feature ID: **Wetland W1**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.00 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W1**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W2**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W2**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W2

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.01 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W2**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W2**

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 DETERMINATION

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

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

Feature ID: **Wetland W2**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.01 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W2**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W3**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W3**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W3

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.00 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W3**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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
- ☐ Shelving
- ☑ Sediment deposition
- ☑ Sediment sorting
- ☐ Scour
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wetland W3

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 DETERMINATION

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

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

Feature ID: **Wetland W3**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.00 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W3**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W4**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W4**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W4

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.00 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W4**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wetland W4

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 DETERMINATION

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

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

Feature ID: **Wetland W4**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.00 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W4**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W5**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W5**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W5

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.00 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W5**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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
- ☐ Shelving
- ☑ Sediment deposition
- ☑ Sediment sorting
- ☐ Scour
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W5**

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 DETERMINATION

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

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

Feature ID: **Wetland W5**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.00 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W5**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W6**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W6**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W6

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.00 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W6**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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
- ☐ Shelving
- ☑ Sediment deposition
- ☑ Sediment sorting
- ☐ Scour
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W6**

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 DETERMINATION

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

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

Feature ID: **Wetland W6**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.00 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W6**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W7**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W7**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W7

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.00 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W7**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W7**

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 DETERMINATION

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

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

Feature ID: **Wetland W7**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.00 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W7**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W8**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W8**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W8

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.01 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W8**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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
- ☐ Shelving
- ☑ Sediment deposition
- ☑ Sediment sorting
- ☐ Scour
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wetland W8

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 DETERMINATION

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

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

Feature ID: **Wetland W8**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.01 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W8**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W9**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W9**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W9

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.01 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W9**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wetland W9

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 DETERMINATION

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

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

Feature ID: **Wetland W9**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.01 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W9**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W10**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W10**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W10

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.01 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W10**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W10**

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 DETERMINATION

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

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

Feature ID: **Wetland W10**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.01 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W10**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W11**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W11**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W11

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.02 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W11**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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
- ☐ Shelving
- ☑ Sediment deposition
- ☑ Sediment sorting
- ☐ Scour
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W11**

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 DETERMINATION

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

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

Feature ID: **Wetland W11**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.02 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W11**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W12**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W12**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W12

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.06 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W12**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W12**

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 DETERMINATION

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

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

Feature ID: **Wetland W12**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.06 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W12**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W13**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W13**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W13

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.10 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W13**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W13**

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 DETERMINATION

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

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

Feature ID: **Wetland W13**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.10 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W13**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W14**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W14**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W14

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.02 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W14**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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
- ☐ Shelving
- ☑ Sediment deposition
- ☑ Sediment sorting
- ☐ Scour
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W14**

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 DETERMINATION

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

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

Feature ID: **Wetland W14**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.02 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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
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☐ Corps Navigable Water Study

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Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W14**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W15**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W15**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W15

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.02 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W15**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W15**

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 DETERMINATION

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

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

Feature ID: **Wetland W15**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.02 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W15**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W16**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W16**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W16

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.00 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W16**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W16**

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 DETERMINATION

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

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

Feature ID: **Wetland W16**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.00 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W16**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W17**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W17**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W17

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.01 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W17**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W17**

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 DETERMINATION

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

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

Feature ID: **Wetland W17**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.01 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W17**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W18**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W18**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W18

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.00 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W18**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W18**

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 DETERMINATION

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

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

Feature ID: **Wetland W18**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.00 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W18**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W19**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W19**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W19

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.01 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W19**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: Wetland W19

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 DETERMINATION

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

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

Feature ID: **Wetland W19**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.01 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W19**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W20**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W20**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W20

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.01 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W20**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W20**

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 DETERMINATION

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

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

Feature ID: **Wetland W20**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.01 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W20**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W21**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W21**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W21

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.00 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W21**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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
- ☐ Shelving
- ☑ Sediment deposition
- ☑ Sediment sorting
- ☐ Scour
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W21**

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 DETERMINATION

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

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

Feature ID: **Wetland W21**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.00 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W21**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W22**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W22**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W22

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.00 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W22**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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
- ☐ Shelving
- ☑ Sediment deposition
- ☑ Sediment sorting
- ☐ Scour
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W22**

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 DETERMINATION

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

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

Feature ID: **Wetland W22**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.00 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W22**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W23**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W23**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W23

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.00 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W23**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W23**

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 DETERMINATION

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

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

Feature ID: **Wetland W23**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.00 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W23**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W24**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W24**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W24

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.00 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W24**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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
- ☐ Shelving
- ☑ Sediment deposition
- ☑ Sediment sorting
- ☐ Scour
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W24**

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 DETERMINATION

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

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

Feature ID: **Wetland W24**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.00 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W24**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W25**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W25**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W25

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.01 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W25**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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
- ☐ Shelving
- ☑ Sediment deposition
- ☑ Sediment sorting
- ☐ Scour
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W25**

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 DETERMINATION

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

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

Feature ID: **Wetland W25**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.01 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W25**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W26**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W26**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W26

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.02 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W26**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W26**

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 DETERMINATION

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

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

Feature ID: **Wetland W26**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.02 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W26**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W27**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W27**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W27

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.00 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W27**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W27**

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 DETERMINATION

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

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

Feature ID: **Wetland W27**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.00 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W27**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W28**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W28**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W28

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.06 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W28**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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
- ☐ Shelving
- ☑ Sediment deposition
- ☑ Sediment sorting
- ☐ Scour
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W28**

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 DETERMINATION

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

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

Feature ID: **Wetland W28**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.06 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W28**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W29**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W29**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W29

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.01 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W29**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W29**

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 DETERMINATION

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

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

Feature ID: **Wetland W29**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.01 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W29**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W30**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W30**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W30

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.01 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W30**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W30**

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 DETERMINATION

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

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

Feature ID: **Wetland W30**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.01 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W30**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W31**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W31**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W31

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.00 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W31**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W31**

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 DETERMINATION

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

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

Feature ID: **Wetland W31**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.00 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), width (ft)

☐ Other waters acres

☐ Wetlands acres

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- ☐ USGS NHD Data
- ☐ USGS 8 and 12 digit HUC Map

☑ US Geological Survey Map(s) Scale and Quad Name:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W31**

- ☐ 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): Aerials Express 2009; NAIP 2010
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- ☐ 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:

Feature ID: **Wetland W32**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W32**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W32

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.00 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W32**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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
- ☐ Shelving
- ☑ Sediment deposition
- ☑ Sediment sorting
- ☐ Scour
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W32**

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):

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

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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

Feature ID: **Wetland W32**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.00 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), width (ft)

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Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W32**

- ☐ USDA Nat'l Res Conservation Service Soil Survey Citation:
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Other Information, Please Specify:

Additional Comments to Support JD:

Feature ID: **Wetland W33**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W33**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W33

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.00 Acres

Limits of Jurisdiction based on:

2. Non-Regulated Waters/Wetlands:

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Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W33**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

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Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

Explain:

Tributary Has:

☑ Bed and Banks

☑ OHWM: OHWM Indicators:

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- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W33**

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:
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D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE

1. TNWs and Adjacent Wetlands

Feature ID: **Wetland W33**

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Reserved for Section III D 2 (RPWs):

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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):

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☐ 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), width (ft)

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- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W34**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W34**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W34

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.00 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W34**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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
- ☐ Shelving
- ☑ Sediment deposition
- ☑ Sediment sorting
- ☐ Scour
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W34**

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 DETERMINATION

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

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

Feature ID: **Wetland W34**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.00 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W34**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W35**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W35**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W35

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.00 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W35**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W35**

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 DETERMINATION

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

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

Feature ID: **Wetland W35**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.00 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W35**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W36**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W36**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W36

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.00 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W36**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Describe Flow Regime: Ephemeral

Surface Flow is: Confined

Subsurface Flow: No

Average Flow Events per year:

Other Information on Duration and Volume:

Characteristics:

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
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W36**

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):

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

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

Feature ID: **Wetland W36**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.00 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W36**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W37**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W37**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W37

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.04 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

B. CHARACTERISTICS OF NON-TNW TRIBUTARY AND ITS ADJACENT WETLANDS

TNW Watershed Size (sq mi):	21319	Tributaries flow to TNW:	
Drainage Area (sq mi):	0.00	River Miles from tributary to TNW:	
Average Annual Rainfall (in):	13	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:

Feature ID: **Wetland W37**

Tributary is: Natural Explain:

Average Width (ft): 0.00

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: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

(c) Flow:

Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

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
- ☐ Shelving
- ☑ Sediment deposition
- ☑ Sediment sorting
- ☐ Scour
- ☐ Presence of wrack line
- ☐ Vegetation matted down, bent or absent
- ☐ Leaf litter disturbed or washed away
- ☐ Presence of litter and debris
- ☑ Destruction of terrestrial vegetation
- ☐ Abrupt change in plant community
- ☐ Multiple observed or predicted flow events
- ☐ Water staining

Other (list):

☐ Discontinuous? Explain:

(iii) Chemical Characteristics:

Characterize Tributary:

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:

☐ Other environmentally -sensitive species Explain:

☐ Aquatic/Wildlife diversity Explain:

Feature ID: **Wetland W37**

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 DETERMINATION

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

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

Feature ID: **Wetland W37**

☐ TNWs: Linear Feet Width (ft), Or, Acres

☑ Wetlands adjacent to TNWs: 0.04 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:

Length (linear feet): Acres:

F. NON-JURISDICTIONAL WATERS, INCLUDING WETLANDS:

Non-Jurisdictional Waters:

Explain finding of no Significant Nexus:

☐ Non-wetland waters linear feet (ft), 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:

Grayback and Kearny 7.5-Minute Quadrangle

Feature ID: **Wetland W37**

- ☐ 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): Aerials Express 2009; NAIP 2010
- ☑ Other Photographs (Name and Date): Ground Photos; April 2011 through March 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:

Feature ID: **Wetland W38**

SECTION I: BACKGROUND INFORMATION

A. Report Completion Date for Approved Jurisdictional Determination:

B. District Office and File No: Los Angeles District, SPL-2011-1005-RJD

C. Project Location and Background Information: **Drainage Feature** **Wetland W38**

City, County, State Kearny, Pinal County, AZ

Center coordinates of site: Lat. 33.08325 Long. -111.00853

Name of nearest waterbody: Wetland W38

Name of nearest downstream TNW: Gila River

HUC Code: 15050100

☑ Map/Diagram of potential jurisdictional area is available on request

D. Review Performed for Site Evaluation:

Office Determination. Date:

Field Determination. Date: 04/2011 through 03/2012

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 "waters of the U.S." within CWA jurisdiction in the review area.

1. Waters of the US: Wetland adjacent to TNW

Linear Feet Width (ft) and/or 0.05 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:

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":

Wetlands are fringe wetlands adjacent to the Gila River utilizing the river's hydrology to support hydrophytic vegetation. It is by definition these wetlands are adjacent to the Gila River.

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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:

Feature ID: **Wetland W38**

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Average Width (ft): 0.00

Average Depth (ft): 1

Average Side Slopes: 2:1

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☑ Silts ☑ Sands ☑ Cobbles ☐ Bedrock ☑ Gravel ☐ Vegetation

☐ Concrete ☐ Muck Other, Explain:

Tributary Condition/Stability. Explain: Moderately unstable

Presence of Run/Riffle/Pool Complexes. Explain: Not present

Tributary Geometry: Meandering

Tributary Gradient (approximate average slope): 2%

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Tributary Provides for: Ephemeral Flow

Average Flow Events per year:

Describe Flow Regime: Ephemeral

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Characteristics:

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Explain:

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Habitat for:

☐ Federally Listed Species Explain:

☐ Fish/Spawn Areas Explain:

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Wetland Size (ac): Wetland Type, Explain:

Wetland Quality, Explain:

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