SECTION I: BACKGROUND INFORM	<u>IATION</u>			
A. Report Completion Date for App	roved Jurisdict	ional Determination:		
B. District Office and File No: Los	Angeles Distric	t, File No. Pending		
C. Project Location and Background	Information:	Drainage Feature A		
City, County, State Pinal County	, Arizona			
Center coordinates of site: Lat. 3	3.1980°	Long111.4127°		
Name of nearest waterbody: Uni	named Feature	A		
Name of nearest downstream TNV	V: Gila River	petween Powers Butte and G	illespie Dam	
HUC Code: 1505010009			•	
✓ Map/Diagram of potential juriso	dictional area i	s available on request		
D. Review Performed for Site Evalu				
	uation.			
Office Determination. Date:				
Field Determination. Date: 06/2				
SECTION II: SUMMARY OF FINDING				
A. RHA Section 10 Determination				
There Are No "navigable waters		•	eview area.	
B. CWA Section 404 Determinatio				
There Are No "waters of the	e U.S." within	CWA jurisdiction in the review	v area.	
1. Waters of the US:				
Linear Feet		Width (ft) and/or	Acres	
Limits of Jurisdiction based on:				
2. Non-Regulated Waters/Wetl	ands:			
lacktriangledown Potentially jurisdictional wa	ters and/or we	tlands were assessed and de	termined not t	to be jurisdictional:
	t possessed a	fy as a TNW or RPW. Thereforsignificant nexus with a down ownstream TNW.		•
SECTION III: CWA ANALYSIS				
A. TNWs AND WETLANDS ADJACE	NT TO TNWs			
1. Identified TNW:				
Rationale for TNW determinat	ion:			
2. Rationale for conclusion tha	t any wetlands	present are "adjacent":		
B. CHARACTERISTICS OF NON-TNV	V TRIBUTARY A	AND ITS ADJACENT WETLAND	S	
TNW Watershed Size (sq mi):	49650	Tributaries flow to TNV	V:	6
Drainage Area (sq mi):	8.5300	River Miles from tribut	ary to TNW:	30 (or more)
Average Annual Rainfall (in):	18	River Miles from tribut	ary to RPW:	
Average Annual Snowfall (in):	1.4	Aerial Miles from tribut	•	30 (or more)
		Aerial Miles from tribut	tary to RPW:	
<ul> <li>Project waters cross or serv</li> </ul>	e as state bou	ndaries. Explain:		
Identify flow route to TNW:				
Unnamed tributaries to Queen	Creek to EMF	o Gila River		

Feature ID: A		
Tributary is: Natural Explain:		
Average Width (ft): 14.70		
Average Depth (ft): 2		
Average Side Slopes: 2:1		
Primary tributary substrate composition (che ✓ Silts ☐ Sands ☐ Cobbles ☐ ☐ Concrete ☐ Muck Other, Explain	Bedrock ☐ Gravel ☐ Vegetation	
Tributary Condition/Stability. Explain: Stab	ble	
Presence of Run/Riffle/Pool Complexes. Exp	plain: Not present	
Tributary Geometry: Meandering	'	
Tributary Gradient (approximate average slo	ope): 1%	
, , , , , , ,	,	
(c) Flow:	Average Flow Events nervee:	
Tributary Provides for: Ephemeral Flow	Average Flow Events per year: 2-5 Other Information on Duration and Volume:	
Describe Flow Regime: Ephemeral Surface Flow is: Confined		
	Characteristics:	
Subsurface Flow: No	Explain:	
Tributary Has:		
☐ Bed and Banks		
✓ OHWM: OHWM Indicators:		
$\square$ Clear, natural line impressed on the bank	$\square$ Vegetation matted down, bent or absent	
Changes in soil character	$\square$ Leaf litter disturbed or washed away	
$\square$ Shelving	$\square$ Presence of litter and debris	
$\square$ Sediment deposition	$\square$ Destruction of terrestrial vegetation	
Sediment sorting	$\square$ Abrupt change in plant community	
☐ Scour	$\square$ Multiple observed or predicted flow events	
☐ Presence of wrack line	☐ Water staining	
Other (list):		
☐ Discontinuous? Explain:		
(iii) Chemical Characteristics:		
Characterize Tributary:		
Identify Specific Pollutants, if known:		
(iv) Biological Characteristics. Channel supports	s (check all that apply):	
Riparian Corridor Characteristics:		
☐ Wetland Fringe Characteristics:		
Habitat for:		
☐ Federally Listed Species Explain:		
☐ Fish/Spawn Areas Explain:		
☐ Other environmentally -sensitive species	s Explain:	
☐ Aquatic/Wildlife diversity Explain:	'	

Wetland Size (ac):	Wetland Type, Explain:
Wetland Quality, Explain:	
Project Wetlands Cross or S	Serve as State Boundaries, Explain:
Wetland Flow is:	Explain:
Surface Flow is:	Characteristics:
Subsurface Flow:	Explain Findings:
☐ Wetland Directly Abuttir	ng Non-TNW
☐ Wetland Not Directly Ab	~
☐ Discrete wetland hyd	
☐ Ecologcal connection	•
☐ Separated by berm/b	arrier Explain:
Project Wetlands: River Mi	les from TNW:
Project Wetlands: Aerial M	iles from TNW:
Flow is From:	
Approximate Location of W	Vetland within Floodplain:
i) Chemical Characteristics:	
Characterize Wetland Syste	em:
ii) Biological Characteristics. \	Netland supports (check all that apply):
☐ Riparian Buffer Explain	n:
☐ Vegetation type/percer	nt cover. Explain:
Habitat for:	
$\square$ Federally Listed Speci	es Explain:
☐ Fish/Spawn Areas Ex	plain:
☐ Other environmentall	ly-sensitive species Explain:
☐ Aquatic/Wildlife Dive	rsity Explain:
. Characteristics of all wetlan	ds adjacent to the non-TNW tributary (if any)
All wetland(s) considered in	n cumulative analysis:
Wetland acres in total bein	g considered in cumulative analysis:
	ectly abuts tributary?; size in acres; overall biological, chemical or physica

# C. SIGNIFICANT NEXUS DETERMINATION

Feature ID: A

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

Feature ID: A					
2. Significant nexus finding or indirectly into TNW. Exp		W and its adja	cent wetland	s, where the n	on-RPW flows directly
3. Significant nexus finding Explain:		ds adjacent to	an RPW but t	hat do not dire	ectly abut the RPW.
. DETERMINATIONS OF JURI	SDICTIONAL	FINDINGS. TH	E SUBJECT W	ATERS/WETLA	NDS ARE
1. TNWs and Adjacent Wet	tlands				
☐ TNWs:	Linear Feet		Width (ft),	Or,	Acres
☐ Wetlands adjacent to	TNWs	Acres			
Reserved for Section III D 2					
2 Non DDW that flow div		ooth, into TNIA	la.		
3. Non-RPWs that flow dire	•	•		ata a TNIM and	l has a signficant navus
☐ Non-TNW/non-RPW wa with a TNW, and is ther	•	•	or manechy II	IIO a TINVV dNC	i iias a sigiiiicalit liexus
Length (Linear Feet):	, ,	Width (feet):		Acres:	
Decembed for Costion III D	1 (\\\\atlanda	منافق والمرام والمرام	~ DD\\/_\.		
Reserved for Section III D	•	·	•	L ut - DDM(-)	
Reserved for Section III D 5	•	-	·		:
6. Wetlands adjacent to n		•	•		
			tion with the	tributary and c	ther adjacent wetlands,
Estimated size of jurisd					
•					
7. Impoundments of juris		iers.			
Demonstration of Juris			THE HEE ST	CDADATION	20 DECEMBER 25
. ISOLATED WATERS, INCLUI VHICH COULD AFFECT INTER			, THE USE, DE	:GKADATION (	JK DESTRUCTION OF
ATTEC INTEN	J.AIL COIVII	IVILINOL			
Supporting rationale:					
Length (linear feet):	А	cres:			
. NON-JURISDICTIONAL WAT	TERS, INCLUI	DING WETLAND	OS:		
Non-Jurisdictional Waters:					
	Significant Ne	exus" standard,	where such a	finding is requ	uired for jurisdiction.
Waters do not meet the "S					
Waters do not meet the "S Explain finding of no Signif					
Explain finding of no Signif As described in Section 3C	icant Nexus: 1 above, an a	•	ephemeral dra	ainage determ	ined that it did not
Explain finding of no Signif As described in Section 3C possess a significant nexus	icant Nexus:  1 above, an a with the nea	arest TNW.	•	_	ined that it did not
Explain finding of no Signif As described in Section 3C	icant Nexus:  1 above, an a with the nea	•	•	ainage determ	ined that it did not

SECTION IV: DATA SOURCES	
<ul> <li>Maps, Plans, Plots or Plat Submitted by Applicant/Consultant</li> <li>Data Sheets Prepared/Submitted on behalf of Applicant</li> <li>Office Concurs with delineation</li> <li>Office Does Not Concur with delineation</li> </ul>	: WestLand Resources, Inc.
<ul> <li>Data Sheets Prepared by the Corps</li> <li>Corps Navigable Water Study</li> <li>US Geological Survey Hydrologic Atlas</li> <li>USGS NHD Data</li> </ul>	
☐ USGS 8 and 12 digit HUC Map	
✓ US Geological Survey Map(s) Scale and Quad Name:  Magma 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	
<ul><li>☐ FEMA/FIR Maps</li><li>☐ 100-year Floodplain Elevation is: (National Control of the Co</li></ul>	ional Geodetic Vertical Datum of 1929)
✓ Aerial Photographs (Name and Date): NAIP 2010	ional Geodetic Vertical Datum of 1929)
✓ Other Photographs (Name and Date): Ground Photos;June 2	012
☐ Previous Determinations File No. and Date of Response Lette ☐ Applicable/Supporting Case Law Citation:	
☐ Applicable/Supporting Scientific Literature Citation:	
Other Information, Please Specify:	

SECTION I: BACKGROUND INFORM	<u>IATION</u>		
A. Report Completion Date for App	roved Jurisdict	tional Determination:	
B. District Office and File No: Los			
C. Project Location and Background	Information:	Drainage Feature A1	
City, County, State Pinal County	, Arizona		
Center coordinates of site: Lat. 3	3.1980°	Long111.4127°	
Name of nearest waterbody: Uni	named Feature	e A1	
,		between Powers Butte and Gillespie Dam	
HUC Code: 1505010009		'	
✓ Map/Diagram of potential jurise	dictional area	is available on request	
D. Review Performed for Site Evalu			
Office Determination. Date:	uation.		
	2012		
Field Determination. Date: 06/2			
SECTION II: SUMMARY OF FINDING	<del></del>		
A. RHA Section 10 Determination		within DITA invicalistian in the various area	
_		rithin RHA jurisdiction in the review area.	
B. CWA Section 404 Determinatio  There Are No "waters of the		on CWA jurisdiction in the review area.	
1. Waters of the US:	e o.s. within	cwa jurisdiction in the review area.	
		Midth (ft) and (an	
Linear Feet		Width (ft) and/or Acres	
Limits of Jurisdiction based on:	•		
<ol> <li>Non-Regulated Waters/Wetl</li> <li>✓ Potentially jurisdictional wa</li> </ol>		etlands were assessed and determined not t	to be jurisdictional:
	it possessed a	ify as a TNW or RPW. Therefore, this drainag significant nexus with a downstream TNW. ownstream TNW.	
SECTION III: CWA ANALYSIS			
A. TNWs AND WETLANDS ADJACE	NT TO TNWs		
1. Identified TNW:			
Rationale for TNW determinat	ion:		
2. Rationale for conclusion tha	t any wetland:	s present are "adjacent":	
B. CHARACTERISTICS OF NON-TNV	W TRIBUTARY	AND ITS ADJACENT WETLANDS	
TNW Watershed Size (sq mi):	49650	Tributaries flow to TNW:	6
Drainage Area (sq mi):	0.0610	River Miles from tributary to TNW:	30 (or more)
Average Annual Rainfall (in):	18	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	1.4	Aerial Miles from tributary to TNW: Aerial Miles from tributary to RPW:	30 (or more)
☐ Project waters cross or serv	e as state bou		
Identify flow route to TNW:			
Unnamed tributaries to Queen	Creek to EMF	to Gila River	

Feature ID: A1	
Tributary is: Natural Explain:	
Average Width (ft): 4.60	
Average Depth (ft): 2	
Average Side Slopes: 2:1	
Primary tributary substrate composition (ch	neck all that apply):
✓ Silts ☐ Sands ☐ Cobbles ☐	Bedrock   Gravel   Vegetation
☐ Concrete ☐ Muck Other, Explai	in:
Tributary Condition/Stability. Explain: Sta	ble
Presence of Run/Riffle/Pool Complexes. Exp	plain: Not present
Tributary Geometry: Meandering	
Tributary Gradient (approximate average sl	ope): 1%
(c) Flow:	
Tributary Provides for: Ephemeral Flow	Average Flow Events per year: 2-5
Describe Flow Regime: Ephemeral	Other Information on Duration and Volume:
Surface Flow is: Confined	Characteristics:
Subsurface Flow: No	Explain:
Tributary Has:	
Ded and Banks	
✓ OHWM: OHWM Indicators:	
☐ Clear, natural line impressed on the bank	k
✓ Changes in soil character	☐ Leaf litter disturbed or washed away
☐ Shelving	☐ Presence of litter and debris
☐ Sediment deposition	☐ Destruction of terrestrial vegetation
✓ Sediment sorting	☐ Abrupt change in plant community
☐ Scour	☐ Multiple observed or predicted flow events
☐ Presence of wrack line	☐ Water staining
Other (list):	
☐ Discontinuous? Explain:	
(iii) Chemical Characteristics:	
Characterize Tributary:	
Identify Specific Pollutants, if known:	
(iv) Biological Characteristics. Channel support	ts (check all that apply):
Riparian Corridor Characteristics:	
☐ Wetland Fringe Characteristics:	
Habitat for:	
☐ Federally Listed Species Explain:	
☐ Fish/Spawn Areas Explain:	
$\hfill \square$ Other environmentally -sensitive specie	s Explain:
☐ Aquatic/Wildlife diversity Explain:	

(i) Physical Characteristics:	-,,,,,,,,,,,,,
Wetland Size (ac):	Wetland Type, Explain:
Wetland Quality, Explain:	
Project Wetlands Cross or Se	erve as State Boundaries, Explain:
Wetland Flow is:	Explain:
Surface Flow is:	Characteristics:
Subsurface Flow:	Explain Findings:
<ul> <li>□ Wetland Directly Abutting</li> <li>□ Wetland Not Directly Abute</li> <li>□ Discrete wetland hydro</li> <li>□ Ecological connection</li> <li>□ Separated by berm/bate</li> <li>Project Wetlands: River Mileter</li> <li>Project Wetlands: Aerial Mileter</li> <li>Flow is From:</li> <li>Approximate Location of Weten</li> </ul>	utting Non-TNW  ologic connection Explain:  Explain:  rrier Explain: es from TNW: les from TNW:
(ii) Chemical Characteristics:	
Characterize Wetland Syster	m:
(iii) Biological Characteristics. W	etland supports (check all that apply):
☐ Riparian Buffer Explain	:
☐ Vegetation type/percent	t cover. Explain:
Habitat for:	
$\square$ Federally Listed Specie	s Explain:
$\square$ Fish/Spawn Areas Exp	plain:
$\square$ Other environmentally	r-sensitive species Explain:
☐ Aquatic/Wildlife Divers	sity Explain:
3. Characteristics of all wetland	s adjacent to the non-TNW tributary (if any)
All wetland(s) considered in	cumulative analysis:
Wetland acres in total being	considered in cumulative analysis:
Describe each wetland (direc	ctly abuts tributary?; size in acres; overall biological, chemical or physical function

# C. SIGNIFICANT NEXUS DETERMINATION

Feature ID: A1

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

Feature ID: A1					
2. Significant nexus finding or indirectly into TNW. Ex		and its adja	cent wetla	ands, where the	e non-RPW flows directly
3. Significant nexus finding Explain:	gs for wetlands	adjacent to	an RPW b	ut that do not	directly abut the RPW.
. DETERMINATIONS OF JUR	ISDICTIONAL F	INDINGS. TH	E SUBJECT	WATERS/WET	LANDS ARE
1. TNWs and Adjacent We	tlands				
☐ TNWs:	Linear Feet		Width	(ft), Or,	Acres
☐ Wetlands adjacent to	TNWs	Acres			
Reserved for Section III D 2	(RPWs):				
3. Non-RPWs that flow dir	ectly or indired	tly into TNW	/s.		
☐ Non-TNW/non-RPW wa with a TNW, and is ther	aterbody that fl	ows directly		cly into a TNW a	and has a signficant nexus
Length (Linear Feet):	V	Width (feet):		Acres:	
Reserved for Section III D	4 (Wetlands dir	ectly abuttin	g RPWs):		
Reserved for Section III D	•	•	•	lv abutting RPV	Vs):
6. Wetlands adjacent to n				,	•
-	on-RPWs which	-		•	d other adjacent wetlands,
Estimated size of juriso	dictional wetlan	d (in acres):			
7. Impoundments of juris	dictional water	·s.			
Demonstration of Juris	diction:				
. ISOLATED WATERS, INCLU VHICH COULD AFFECT INTER			6, THE USE	, DEGRADATIO	N OR DESTRUCTION OF
Supporting rationale:					
Length (linear feet):	Acr	es:			
. NON-JURISDICTIONAL WA	-	NG WETLANI	OS:		
Non-Jurisdictional Waters		icii etandard	whore or	ch a finding is =	aguired for jurisdistics
Waters do not meet the "S Explain finding of no Signif		us standard,	where su	ch a finding is r	equired for jurisdiction.
As described in Section 3C possess a significant nexus			ephemera	l drainage dete	rmined that it did not
<ul><li>✓ Non-wetland waters</li><li>☐ Other waters</li><li>☐ Wetlands</li></ul>	149.0	0 linear feet acres acres	(ft),	4.60 width (	ft)

SECTION IV: DATA SOURCES	
<ul> <li>Maps, Plans, Plots or Plat Submitted by Applicant/Consultant</li> <li>Data Sheets Prepared/Submitted on behalf of Applicant</li> <li>Office Concurs with delineation</li> <li>Office Does Not Concur with delineation</li> </ul>	: WestLand Resources, Inc.
<ul> <li>Data Sheets Prepared by the Corps</li> <li>Corps Navigable Water Study</li> <li>US Geological Survey Hydrologic Atlas</li> <li>USGS NHD Data</li> </ul>	
☐ USGS 8 and 12 digit HUC Map	
✓ US Geological Survey Map(s) Scale and Quad Name:  Magma 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	
<ul><li>☐ FEMA/FIR Maps</li><li>☐ 100-year Floodplain Elevation is: (National Control of the Co</li></ul>	ional Geodetic Vertical Datum of 1929)
✓ Aerial Photographs (Name and Date): NAIP 2010	ional Geodetic Vertical Datum of 1929)
✓ Other Photographs (Name and Date): Ground Photos;June 2	012
☐ Previous Determinations File No. and Date of Response Lette ☐ Applicable/Supporting Case Law Citation:	
☐ Applicable/Supporting Scientific Literature Citation:	
Other Information, Please Specify:	

SECTION I: BACKGROUND INFORM	<u>IATION</u>			
A. Report Completion Date for App	roved Jurisdict	ional Determination	n:	
B. District Office and File No: Los A	Angeles Distric	t, File No. Pending		
C. Project Location and Background	Information:	Drainage Feature	В	
City, County, State Pinal County	, Arizona			
Center coordinates of site: Lat. 3	3.1980°	Long111.4	127°	
Name of nearest waterbody: Uni	named Feature	В		
Name of nearest downstream TNV	V: Gila River	between Powers Bu	itte and Gillespie Dam	
HUC Code: 1505010009			,	
✓ Map/Diagram of potential juriso	dictional area i	s available on reque	est	
D. Review Performed for Site Evalu		4		
Office Determination. Date:				
Field Determination. Date: 06/2	2012			
SECTION II: SUMMARY OF FINDING				
A. RHA Section 10 Determination of There Are No "navigable waters"		ithin RHA jurisdictio	on in the review area	
B. CWA Section 404 Determinatio		•	in in the review area.	
		CWA jurisdiction in	the review area	
1. Waters of the US:	C O.S. WICHIII	ew/r jurisaletion in	the review area.	
		\\/;d+b (f+) and /ar	Aoros	
Linear Feet		Width (ft) and/or	Acres	
Limits of Jurisdiction based on:				
<ol> <li>Non-Regulated Waters/Wetl</li> <li>✓ Potentially jurisdictional wa</li> </ol>		etlands were assess	ed and determined not	to be jurisdictional:
Drainage is ephemeral and	•	•		•
considered jurisdictional if in not possess a significant ne			th a downstream TNW.	. This drainage does
SECTION III: CWA ANALYSIS	Aus With the u	ownstream mvv.		
A. TNWs AND WETLANDS ADJACE	NIT TO TNIMs			
1. Identified TNW:	10 1100			
	•			
Rationale for TNW determinat			المساد	
2. Rationale for conclusion tha	it any wetiands	s present are adjac	ent:	
B. CHARACTERISTICS OF NON-TNV				
TNW Watershed Size (sq mi):	49650	Tributaries flo		6
Drainage Area (sq mi):	1.3100		om tributary to TNW:	30 (or more)
Average Annual Rainfall (in):	18		rom tributary to RPW: rom tributary to TNW:	30 (or more)
Average Annual Snowfall (in):	1.4		rom tributary to RPW:	so (or more)
☐ Project waters cross or serv	e as state bou	ndaries. Explain:		
Identify flow route to TNW:				
Unnamed tributaries to Queen	Creek to EMF	to Gila River		

Feature ID: B		
Tributary is: Natural	Explain:	
Average Width (ft):	7.80	
Average Depth (ft):	2	
Average Side Slopes: 2		
Primary tributary substance  ✓ Silts ☐ Sands ☐ Concrete ☐ Mo	☐ Cobbles ☐ I	Bedrock ☐ Gravel ☐ Vegetation
Tributary Condition/St	ability. Explain: Stab	do.
•		
Presence of Run/Riffle		lain: Not present
Tributary Geometry:	Meandering	)
Tributary Gradient (ap	proximate average slo	pe): 1%
(c) Flow:		
Tributary Provides for:	•	Average Flow Events per year: 2-5
Describe Flow Regime:	Ephemeral	Other Information on Duration and Volume:
Surface Flow is:	Confined	Characteristics:
Subsurface Flow:	No	Explain:
Tributary Has:		
☐ Bed and Banks		
✓ OHWM: OHWM Indi	icators:	
	npressed on the bank	☐ Vegetation matted down, bent or absent
✓ Changes in soil char	·	☐ Leaf litter disturbed or washed away
☐ Shelving		☐ Presence of litter and debris
☐ Sediment depositio	n	☐ Destruction of terrestrial vegetation
✓ Sediment sorting		☐ Abrupt change in plant community
☐ Scour		☐ Multiple observed or predicted flow events
☐ Presence of wrack I	ine	
Other (list):		<u> </u>
☐ Discontinuous? Exp	plain:	
(iii) Chemical Characterist	ics:	
Characterize Tributary		
Identify Specific Pollu		
identity specific rollu	tants, ii Kilowii.	
(iv) Biological Characterist	tics. Channel supports	s (check all that apply):
☐ Riparian Corridor (	Characteristics:	
□ Wetland Fringe Ch	naracteristics:	
Habitat for:		
Federally Listed Spe	ecies Explain:	
☐ Fish/Spawn Areas	Explain:	
• •	tally -sensitive species	Explain:

(i) Physical Characteristics:	· • · · · · · · · · · · · · · · · · · ·
Wetland Size (ac):	Wetland Type, Explain:
Wetland Quality, Explain:	
Project Wetlands Cross or So	erve as State Boundaries, Explain:
Wetland Flow is:	Explain:
Surface Flow is:	Characteristics:
Subsurface Flow:	Explain Findings:
☐ Wetland Directly Abutting ☐ Wetland Not Directly Abu ☐ Discrete wetland hydro ☐ Ecological connection ☐ Separated by berm/ba Project Wetlands: River Mile Project Wetlands: Aerial Mile Flow is From: Approximate Location of We  (ii) Chemical Characteristics: Characterize Wetland System	utting Non-TNW  ologic connection Explain:  Explain:  rrier Explain: es from TNW: les from TNW:  etland within Floodplain:
·	
☐ Riparian Buffer Explain ☐ Vegetation type/percent Habitat for: ☐ Federally Listed Specie ☐ Fish/Spawn Areas Exp ☐ Other environmentally ☐ Aquatic/Wildlife Divers	t cover. Explain: es Explain: blain: v-sensitive species Explain:
3. Characteristics of all wetland	s adjacent to the non-TNW tributary (if any)
All wetland(s) considered in	cumulative analysis:
• •	considered in cumulative analysis:
Describe each wetland (direc	ctly abuts tributary?; size in acres; overall biological, chemical or physical fu

# C. SIGNIFICANT NEXUS DETERMINATION

Feature ID: B

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

Feature ID: B	
	s for non-RPW and its adjacent wetlands, where the non-RPW flows directly plain:
3. Significant nexus finding Explain:	s for wetlands adjacent to an RPW but that do not directly abut the RPW.
. DETERMINATIONS OF JURI	SDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE
1. TNWs and Adjacent Wet	ilands
☐ TNWs: I	Linear Feet Width (ft), Or, Acres
☐ Wetlands adjacent to	TNWs Acres
Reserved for Section III D 2	(RPWs):
3. Non-RPWs that flow dire	ectly or indirectly into TNWs.
☐ Non-TNW/non-RPW wa with a TNW, and is ther	terbody that flows directly or indirectly into a TNW and has a signficant nexus fore jurisdictional.
Length (Linear Feet):	Width (feet): Acres:
Reserved for Section III D 4	4 (Wetlands directly abutting RPWs):
	5 (Wetlands adjacent to but not directly abutting RPWs):
	on-RPWs that flow directly or indirectly into TNWs.
☐ Wetland adjacent to not has a significant nexus	on-RPWs which, in combination with the tributary and other adjacent wetlands, with the TNW.
Estimated size of jurisd	ictional wetland (in acres):
7. Impoundments of juriso	dictional waters.
Demonstration of Juris	diction:
. ISOLATED WATERS, INCLUI VHICH COULD AFFECT INTER	DING ISOLATED WETLANDS, THE USE, DEGRADATION OR DESTRUCTION OF STATE COMMERCE
Supporting rationale:	
Length (linear feet):	Acres:
	TERS, INCLUDING WETLANDS:
Non-Jurisdictional Waters:	Significant Nexus" standard, where such a finding is required for jurisdiction.
Explain finding of no Signif	
As described in Section 3C	1 above, an analysis of this ephemeral drainage determined that it did not
possess a significant nexus  Non-wetland waters	with the nearest TNW. 6161.50 linear feet (ft), 7.80 width (ft)
<ul><li>Non-wettand waters</li><li>Other waters</li></ul>	acres
☐ Wetlands	acres

SECTION IV: DATA SOURCES	
<ul> <li>✓ Maps, Plans, Plots or Plat Submitted by Applicant/Consultant: WestLand Resources, Inc.</li> <li>✓ Data Sheets Prepared/Submitted on behalf of Applicant</li> <li>☐ Office Concurs with delineation</li> <li>☐ Office Does Not Concur with delineation</li> </ul>	
<ul> <li>□ Data Sheets Prepared by the Corps</li> <li>□ Corps Navigable Water Study</li> <li>□ US Geological Survey Hydrologic Atlas</li> <li>□ USGS NHD Data</li> <li>□ USGS 8 and 12 digit HUC Map</li> </ul>	
✓ US Geological Survey Map(s) Scale and Quad Name:  Magma 7.5-Minute Quadrangle	
<ul> <li>USDA Nat'l Res Conservation Service Soil Survey Citation:</li> <li>□ National Wetlands Inventory Maps</li> <li>□ State/Local Wetland Inventory Maps</li> <li>□ FEMA/FIR Maps</li> </ul>	
<ul> <li>□ 100-year Floodplain Elevation is: (National Geodetic Vertical Datum of 1929)</li> <li>☑ Aerial Photographs (Name and Date): NAIP 2010</li> <li>☑ Other Photographs (Name and Date): Ground Photos; June 2012</li> </ul>	
Previous Determinations File No. and Date of Response Letter:  Applicable/Supporting Case Law Citation:  Applicable/Supporting Scientific Literature Citation:  Other Information, Please Specify:	

SECTION I: BACKGROUND INFORM	IATION		
A. Report Completion Date for App	roved Jurisdict	ional Determination:	
B. District Office and File No: Los	Angeles Distric	t, File No. Pending	
C. Project Location and Background	Information:	Drainage Feature B1	
City, County, State Pinal County	, Arizona		
Center coordinates of site: Lat. 3	3.1980°	Long111.4127°	
Name of nearest waterbody: Uni	named Feature	e B1	
•		between Powers Butte and Gillespie Dam	
HUC Code: 1505010009		'	
✓ Map/Diagram of potential jurise	dictional area i	s available on request	
D. Review Performed for Site Eval			
Office Determination. Date:	uation.		
	2042		
Field Determination. Date: 06/2			
SECTION II: SUMMARY OF FINDING			
A. RHA Section 10 Determination			
_		ithin RHA jurisdiction in the review area.	
B. CWA Section 404 Determinatio			
	e U.S." Within	CWA jurisdiction in the review area.	
1. Waters of the US:			
Linear Feet		Width (ft) and/or Acres	
Limits of Jurisdiction based on:			
2. Non-Regulated Waters/Wetl	ands:		
Potentially jurisdictional wa	ters and/or we	etlands were assessed and determined not	to be jurisdictional:
	it possessed a	fy as a TNW or RPW. Therefore, this draina significant nexus with a downstream TNW. ownstream TNW.	•
SECTION III: CWA ANALYSIS			
A. TNWs AND WETLANDS ADJACE	NT TO TNWs		
1. Identified TNW:			
Rationale for TNW determinat	ion:		
Rationale for conclusion that		s present are "adjacent":	
B. CHARACTERISTICS OF NON-TN\	N TRIBUTARY A	AND ITS ADJACENT WETLANDS	
TNW Watershed Size (sq mi):	49650	Tributaries flow to TNW:	6
Drainage Area (sq mi):	0.0025	River Miles from tributary to TNW:	30 (or more)
Average Annual Rainfall (in):	18	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	1.4	Aerial Miles from tributary to TNW:	30 (or more)
		Aerial Miles from tributary to RPW:	
☐ Project waters cross or serv	e as state bou	ndaries. Explain:	
Identify flow route to TNW:			
Unnamed tributaries to Queen	Creek to EMF	to Gila River	

Feature ID: B1		
Tributary is: Natural	Explain:	
Average Width (ft):	5.30	
Average Depth (ft):	2	
Average Side Slopes:	2:1	
Primary tributary subs  ✓ Silts ☐ Sands ☐ Concrete ☐ M		Bedrock ☐ Gravel ☐ Vegetation
Tributary Condition/St	tability. Explain: Stab	le
•	e/Pool Complexes. Expl	ain: Not present
Tributary Geometry:	Meandering	'
•	proximate average slo	pe): 1%
· • • • • • • • • • • • • • • • • • • •	proximate average sio	<b>1</b> /0
(c) Flow:	Enhanced Flore	Average Flow Events ner veer
Tributary Provides for:	•	Average Flow Events per year: 2-5 Other Information on Duration and Volume:
Describe Flow Regime: Surface Flow is:	Confined	Characteristics:
Subsurface Flow:	No	Explain:
	NO	Explain.
Tributary Has:		
<ul><li>Bed and Banks</li></ul>		
✓ OHWM: OHWM Ind		_
	mpressed on the bank	-
✓ Changes in soil cha	racter	Leaf litter disturbed or washed away
☐ Shelving		Presence of litter and debris
☐ Sediment deposition	n	☐ Destruction of terrestrial vegetation
✓ Sediment sorting		☐ Abrupt change in plant community
☐ Scour		☐ Multiple observed or predicted flow events
Presence of wrack	line	☐ Water staining
Other (list):		
☐ Discontinuous? Ex	•	
(iii) Chemical Characterist	iics:	
Characterize Tributar	y:	
Identify Specific Pollu	tants, if known:	
(iv) Biological Characteris	tics Channel sunnorts	(check all that annly):
	•	Tencer an that apply).
☐ Riparian Corridor		
☐ Wetland Fringe Ch	iaracteristics:	
Habitat for:		
☐ Federally Listed Sp	•	
☐ Fish/Spawn Areas	Explain:	
	tally -sensitive species	Explain:
$\square$ Aquatic/Wildlife di	versity Explain:	

(i) Physical Characteristics:	
Wetland Size (ac):	Wetland Type, Explain:
Wetland Quality, Explain:	
Project Wetlands Cross or S	Serve as State Boundaries, Explain:
Wetland Flow is:	Explain:
Surface Flow is:	Characteristics:
Subsurface Flow:	Explain Findings:
<ul> <li>□ Wetland Directly Abuttin</li> <li>□ Wetland Not Directly Abuttin</li> <li>□ Discrete wetland hydr</li> <li>□ Ecological connection</li> <li>□ Separated by berm/bate</li> <li>Project Wetlands: River Mil</li> <li>Project Wetlands: Aerial Mit</li> <li>Flow is From:</li> <li>Approximate Location of W</li> </ul>	utting Non-TNW rologic connection Explain: Explain: errier Explain: les from TNW: iles from TNW:
(ii) Chemical Characteristics:	
Characterize Wetland Syste	em:
(iii) Biological Characteristics. W	Vetland supports (check all that apply):
<ul><li>☐ Riparian Buffer Explair</li><li>☐ Vegetation type/percen</li></ul>	
Habitat for:	·
☐ Federally Listed Specie	es Explain:
☐ Fish/Spawn Areas Exp	plain:
$\square$ Other environmentally	y-sensitive species Explain:
$\square$ Aquatic/Wildlife Diver	rsity Explain:
3. Characteristics of all wetland	ds adjacent to the non-TNW tributary (if any)
All wetland(s) considered in	n cumulative analysis:
Wetland acres in total being	g considered in cumulative analysis:
Describe each wetland (dire	ectly abuts tributary?; size in acres; overall biological, chemical or physical funct

# C. SIGNIFICANT NEXUS DETERMINATION

Feature ID: B1

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

Feature ID: B1					
2. Significant nexus finding or indirectly into TNW. Ex		N and its adjac	cent wetlands	where the nor	-RPW flows directly
3. Significant nexus findings for wetlands adjacent to an RPW but that do not directly abut the RPW. Explain:					
D. DETERMINATIONS OF JUR	ISDICTIONAL	FINDINGS. THE	SUBJECT WA	TERS/WETLAN	OS ARE
1. TNWs and Adjacent We	tlands				
☐ TNWs:	Linear Feet		Width (ft), (	Or,	Acres
☐ Wetlands adjacent to	TNWs	Acres			
Reserved for Section III D 2	(RPWs):				
3. Non-RPWs that flow dir	ectly or indire	ectly into TNW	<b>'</b> \$.		
☐ Non-TNW/non-RPW wa	-	•		to a TNW and h	as a signficant nexus
with a TNW, and is ther	•	•			
Length (Linear Feet):		Width (feet):		Acres:	
Reserved for Section III D	4 (Wetlands d	irectly abutting	g RPWs):		
Reserved for Section III D	•	,		outting RPWs):	
6. Wetlands adjacent to n	•	•	•		
<ul> <li>Wetland adjacent to n has a significant nexus</li> </ul>			ion with the tr	ibutary and oth	er adjacent wetlands,
Estimated size of juriso	lictional wetla	nd (in acres):			
7. Impoundments of juris	dictional wate	ers.			
Demonstration of Juris	diction:				
. ISOLATED WATERS, INCLU WHICH COULD AFFECT INTER		-	, THE USE, DEC	GRADATION OF	DESTRUCTION OF
Supporting rationale:					
Length (linear feet):	Ac	res:			
. NON-JURISDICTIONAL WA		ING WETLAND	S:		
Non-Jurisdictional Waters		رباداا د+عصطعیما	whore such a	inding is requir	ad for jurisdiction
Waters do not meet the "S Explain finding of no Signif		kus standard,	where such a	inuing is requir	eu ioi jurisuicuofi.
As described in Section 3C possess a significant nexus	1 above, an aı		ephemeral dra	nage determin	ed that it did not
✓ Non-wetland waters		00 linear feet	(ft), 5.	30 width (ft)	
$\square$ Other waters		acres			
$\square$ Wetlands		acres			

SECTION IV: DATA SOURCES	
<ul> <li>Maps, Plans, Plots or Plat Submitted by Applicant/Con</li> <li>Data Sheets Prepared/Submitted on behalf of Applicant</li> <li>Office Concurs with delineation</li> <li>Office Does Not Concur with delineation</li> </ul>	
<ul> <li>□ Data Sheets Prepared by the Corps</li> <li>□ Corps Navigable Water Study</li> <li>□ US Geological Survey Hydrologic Atlas</li> <li>□ USGS NHD Data</li> </ul>	
☐ USGS 8 and 12 digit HUC Map	
✓ US Geological Survey Map(s) Scale and Quad Name:  Magma 7.5-Minute Quadrangle	
☐ USDA Nat'l Res Conservation Service Soil Survey Citat ☐ National Wetlands Inventory Maps Cite Map Name:	ion:
<ul><li>☐ State/Local Wetland Inventory Maps</li><li>☐ FEMA/FIR Maps</li></ul>	
<ul> <li>☐ 100-year Floodplain Elevation is:</li> <li>☑ Aerial Photographs (Name and Date): NAIP 2010</li> </ul>	(National Geodetic Vertical Datum of 1929)
<ul><li>✓ Aerial Photographs (Name and Date): NAIP 2010</li><li>✓ Other Photographs (Name and Date): Ground Photos</li></ul>	;June 2012
<ul><li>☐ Previous Determinations File No. and Date of Respons</li><li>☐ Applicable/Supporting Case Law Citation:</li></ul>	se Letter:
☐ Applicable/Supporting Scientific Literature Citation:	
Other Information, Please Specify:	

SECTION I: BACKGROUND INFORM	<u>IATION</u>		
A. Report Completion Date for App	roved Jurisdict	tional Determination:	
B. District Office and File No: Los			
C. Project Location and Background	Information:	Drainage Feature B2	
City, County, State Pinal County	, Arizona		
Center coordinates of site: Lat. 3	3.1980°	Long111.4127°	
Name of nearest waterbody: Uni	named Feature	e B2	
•		between Powers Butte and Gillespie Dam	
HUC Code: 1505010009		'	
✓ Map/Diagram of potential jurise	dictional area	is available on request	
D. Review Performed for Site Evalu			
Office Determination. Date:	uation.		
	2012		
Field Determination. Date: 06/2 SECTION II: SUMMARY OF FINDING			
A. RHA Section 10 Determination		rithin RHA jurisdiction in the review area.	
B. CWA Section 404 Determinatio		•	
		CWA jurisdiction in the review area.	
1. Waters of the US:	C O.S. WILLIIII	ewa jurisdiction in the review area.	
Linear Feet		Width (ft) and/or Acres	
Limits of Jurisdiction based on:		Width (It) and/or	
<ol> <li>Non-Regulated Waters/Wetl</li> <li>✓ Potentially jurisdictional wa</li> </ol>		etlands were assessed and determined not t	to be jurisdictional:
	it possessed a	ify as a TNW or RPW. Therefore, this drainag significant nexus with a downstream TNW. ownstream TNW.	
SECTION III: CWA ANALYSIS			
A. TNWs AND WETLANDS ADJACE	NT TO TNWs		
1. Identified TNW:			
Rationale for TNW determinat	ion:		
2. Rationale for conclusion tha	it any wetland:	s present are "adjacent":	
B. CHARACTERISTICS OF NON-TNV	N TRIBUTARY	AND ITS ADJACENT WETLANDS	
TNW Watershed Size (sq mi):	49650	Tributaries flow to TNW:	6
Drainage Area (sq mi):	0.0158	River Miles from tributary to TNW:	30 (or more)
Average Annual Rainfall (in):	18	River Miles from tributary to RPW:	
Average Annual Snowfall (in):	1.4	Aerial Miles from tributary to TNW: Aerial Miles from tributary to RPW:	30 (or more)
☐ Project waters cross or serv	e as state bou		
Identify flow route to TNW:			
Unnamed tributaries to Queen	Creek to EMF	to Gila River	

Feature ID: B2	
Tributary is: Natural Explain:	
Average Width (ft): 4.20	
Average Depth (ft): 2	
Average Side Slopes: 2:1	
Primary tributary substrate composition	(check all that apply):
✓ Silts ☐ Sands ☐ Cobbles	☐ Bedrock ☐ Gravel ☐ Vegetation
$\square$ Concrete $\square$ Muck Other, Ex	plain:
Tributary Condition/Stability. Explain:	Stable
Presence of Run/Riffle/Pool Complexes.	Explain: Not present
Tributary Geometry: Meandering	
Tributary Gradient (approximate average	e slope): 1%
(c) Flow:	
Tributary Provides for: Ephemeral Flow	Average Flow Events per year: 2-5
Describe Flow Regime: Ephemeral	Other Information on Duration and Volume:
Surface Flow is: Confined	Characteristics:
Subsurface Flow: No	Explain:
Tributary Has:	
☐ Bed and Banks	
<ul><li>☑ OHWM: OHWM Indicators:</li></ul>	
☐ Clear, natural line impressed on the b	pank  Uegetation matted down, bent or absent
✓ Changes in soil character	☐ Leaf litter disturbed or washed away
☐ Shelving	☐ Presence of litter and debris
☐ Sediment deposition	☐ Destruction of terrestrial vegetation
✓ Sediment sorting	☐ Abrupt change in plant community
☐ Scour	☐ Multiple observed or predicted flow events
☐ Presence of wrack line	☐ Water staining
Other (list):	
☐ Discontinuous? Explain:	
(iii) Chemical Characteristics:	
Characterize Tributary:	
Identify Specific Pollutants, if known:	
(iv) Biological Characteristics. Channel supp	ports (check all that apply):
Riparian Corridor Characteristics:	
☐ Wetland Fringe Characteristics:	
Habitat for:	
☐ Federally Listed Species Explain:	
☐ Fish/Spawn Areas Explain:	
Other environmentally -sensitive spe	ecies Explain:
☐ Aquatic/Wildlife diversity Explain:	

(i) Physical Characteristics:	, ,
Wetland Size (ac):	Wetland Type, Explain:
Wetland Quality, Explain:	
Project Wetlands Cross or S	Serve as State Boundaries, Explain:
Wetland Flow is:	Explain:
Surface Flow is:	Characteristics:
Subsurface Flow:	Explain Findings:
☐ Wetland Directly Abuttir ☐ Wetland Not Directly Ab ☐ Discrete wetland hydr ☐ Ecological connection ☐ Separated by berm/ba Project Wetlands: River Mil Project Wetlands: Aerial M Flow is From: Approximate Location of W  (ii) Chemical Characteristics:	utting Non-TNW rologic connection Explain: Explain: errier Explain: les from TNW: iles from TNW:
Characterize Wetland Syste	em:
·	Vetland supports (check all that apply):
☐ Riparian Buffer Explain ☐ Vegetation type/percer Habitat for: ☐ Federally Listed Specie ☐ Fish/Spawn Areas Ex ☐ Other environmentall ☐ Aquatic/Wildlife Diver	nt cover. Explain:  es Explain: plain: y-sensitive species Explain:
3. Characteristics of all wetland	ds adjacent to the non-TNW tributary (if any)
All wetland(s) considered in Wetland acres in total being	

# C. SIGNIFICANT NEXUS DETERMINATION

Feature ID: B2

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

Feature ID: B2			
2. Significant nexus findings or indirectly into TNW. Expla	· · · · · · · · · · · · · · · · · · ·	acent wetlands, where the	non-RPW flows directly
3. Significant nexus findings Explain:		o an RPW but that do not di	rectly abut the RPW.
•			
DETERMINATIONS OF JURISI	DICTIONAL FINDINGS. T	HE SUBJECT WATERS/WETL	ANDS ARE
1. TNWs and Adjacent Wetla		,	
☐ TNWs: Lir	near Feet	Width (ft), Or,	Acres
☐ Wetlands adjacent to TN		( // /	
Reserved for Section III D 2 (I			
2 Non DDW that flow dive	ath, or indicately into TNU	Ma	
3. Non-RPWs that flow direct	•		ad bas a significant name
with a TNW, and is therfo	· · · · · · · · · · · · · · · · · · ·	y or indirectly into a TNW ar	id has a significant nexus
Length (Linear Feet):	Width (feet)	: Acres:	
Reserved for Section III D 4 (	Wetlands directly abutti	ng RDM/s)·	
Reserved for Section III D 5 (	•	-	c).
6. Wetlands adjacent to nor			3).
-		ation with the tributary and	other adjacent wetlands
has a significant nexus w		ation with the tributary and	other adjacent wetlands,
Estimated size of jurisdic	tional wetland (in acres)	:	
7. Impoundments of jurisdic	ctional waters.		
Demonstration of Jurisdi			
. ISOLATED WATERS, INCLUDI		S. THE USE. DEGRADATION	OR DESTRUCTION OF
VHICH COULD AFFECT INTERS		-,, - <del></del>	
Supporting rationale:			
Length (linear feet):	Acres:		
. NON-JURISDICTIONAL WATE	RS, INCLUDING WETLAN	IDS:	
Non-Jurisdictional Waters:	rnificant Novus'' standare	l whore such a finding is rea	guired for jurisdiction
Waters do not meet the "Sig Explain finding of no Signification Explain finding of no Signification Waters do not meet the "Signification Waters do not meet the "Signification Explain finding of no Signification Waters do not meet the "Signification Waters do not meet the waters do not meet the waters Waters do not meet the water Waters do not meet the		a, where such a finding is rec	quired for jurisdiction.
As described in Section 3C1		s enhemeral drainage deter	mined that it did not
possess a significant nexus w		s epilemeral uralliage deteri	mined that it did fiot
✓ Non-wetland waters	406.90 linear fee	et (ft), 4.20 width (ft	)
☐ Other waters	acres		
☐ Wetlands	acres		

SECTION IV: DATA SOURCES	
<ul> <li>✓ Maps, Plans, Plots or Plat Submitted by App</li> <li>✓ Data Sheets Prepared/Submitted on behalf or</li> <li>□ Office Concurs with delineation</li> <li>□ Office Does Not Concur with delineation</li> </ul>	olicant/Consultant: WestLand Resources, Inc.  f Applicant
<ul> <li>Data Sheets Prepared by the Corps</li> <li>Corps Navigable Water Study</li> <li>US Geological Survey Hydrologic Atlas</li> <li>USGS NHD Data</li> </ul>	
☐ USGS 8 and 12 digit HUC Map	
✓ US Geological Survey Map(s) Scale and Quadrangle	d Name:
State/Local Wetland Inventory Maps	vey Citation: lap Name:
☐ FEMA/FIR Maps	
<ul><li>☐ 100-year Floodplain Elevation is:</li><li>☑ Aerial Photographs (Name and Date): NAIF</li></ul>	(National Geodetic Vertical Datum of 1929)
✓ Aerial Photographs (Name and Date): NAIF ✓ Other Photographs (Name and Date): Grou	
<ul> <li>□ Previous Determinations File No. and Date</li> <li>□ Applicable/Supporting Case Law Citation:</li> <li>□ Applicable/Supporting Scientific Literature</li> </ul>	
Other Information, Please Specify:	