

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

**SECTION I: BACKGROUND INFORMATION**

**A. REPORT COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (JD):** 03-Sep-2008

**B. DISTRICT OFFICE, FILE NAME, AND NUMBER:** Sacramento District, SPK-2007-01072-JD4

**C. PROJECT LOCATION AND BACKGROUND INFORMATION:**

**State :** CA - California  
**County/parish/borough:** Sacramento  
**City:** Folsom  
**Lat:** 38.629167  
**Long:** -121.131944  
**Universal Transverse Mercator**  
Folder UTM List  
*UTM list determined by folder location*

- NAD83 / UTM zone 37S

Waters UTM List  
*UTM list determined by waters location*

- NAD83 / UTM zone 37S

**Name of nearest waterbody:** Alder Creek  
**Name of nearest Traditional Navigable Water (TNW):** American River  
**Name of watershed or Hydrologic Unit Code (HUC):** 18020111

- 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 the action and are recorded on a different JD form.

**D. REVIEW PERFORMED FOR SITE EVALUATION:**

- Office Determination Date: 03-Sep-2008
- Field Determination Date(s):  28-Apr-2008

## SECTION II: SUMMARY OF FINDINGS

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### A. RHA SECTION 10 DETERMINATION OF JURISDICTION

There [ ] "navigable waters of the U.S." within Rivers and Harbors Act (RHA) jurisdiction (as defined by 33 CFR part 329) in the review area.

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

#### 1. Waters of the U.S.

##### a. Indicate presence of waters of U.S. in review area:<sup>1</sup>

Water Name	Water Type(s) Present
SWS-1; 2007-01072	Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
SWS-2; 2007-01072	Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
SWS-3, 2007-01072	Wetlands directly abutting RPWs that flow directly or indirectly into TNWs
SWS-4, Seep-1; 2007-01072	Wetlands directly abutting RPWs that flow directly or indirectly into TNWs

##### b. Identify (estimate) size of waters of the U.S. in the review area:

Area: 905 (m<sup>2</sup>)

Linear: (m)

##### c. Limits (boundaries) of jurisdiction:

based on: Established by OHWM.

OHWM Elevation: (if known)

#### 2. Non-regulated waters/wetlands:<sup>3</sup>

**Potentially jurisdictional waters and/or wetlands were assessed within the review area and determined to be not jurisdictional. Explain:**

The wetlands VP-1, SW-1 and SW-2 are located upslope from Pond-2 and are small, man-made depressions that were constructed entirely within uplands. The wetlands total 0.006 acre of the site. VP-1 is a 0.004 acre depression located approximately 200 feet north-east of SWS-3, SW-2 is a 0.001 acre depression located approximately 100-feet north-west of SWS-1, and SW-1 is a 0.001 acre depression located approximately 50-feet north of ED-3. The wetlands collect water for a sufficient period of time to establish

hydrophytic vegetation and soils, however, none of these wetlands have an outlet or other hydrologic connection to the on-site relatively permanent waters (i.e. Pond-1, Pond-2 or ED-1), or navigable waters.

### SECTION III: CWA ANALYSIS

#### A. TNWs AND WETLANDS ADJACENT TO TNWs

##### 1. TNW

Not Applicable.

##### 2. Wetland Adjacent to TNW

Not Applicable.

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

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

###### (i) General Area Conditions:

**Watershed size:** 299 square miles

**Drainage area:** 9 acres

**Average annual rainfall:** 19 inches

**Average annual snowfall:** 0 inches

###### (ii) Physical Characteristics

###### (a) Relationship with TNW:

- Tributary flows directly into TNW.
- Tributary flows through [ ] tributaries before entering TNW.

:Number of tributaries

**Project waters are** 2-5 river miles from TNW.

**Project waters are** 2-5 river miles from RPW.

**Project Waters are** 2-5 aerial (straight) miles from TNW.

**Project waters are** 2-5 aerial(straight) miles from RPW.

Project waters cross or serve as state boundaries.

**Explain:****Identify flow route to TNW:<sup>5</sup>**

SWS-1, SWS-2 SWS-3, SWS-4 and Seep-1 are wetlands that directly abut Pond-1. Pond-1 is a perennial RPW that flows into Alder Creek, a tributary to the American River. The American River is a TNW, as determined by the Sacramento District on February 4, 2008 (file number SPK-2008-00099) and is a tributary to the Sacramento River. The Sacramento River is a navigable water, subject to Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act.

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**Tributary Stream Order, if known:**

Not Applicable.

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**(b) General Tributary Characteristics:****Tributary is:**

Not Applicable.

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**Tributary properties with respect to top of bank (estimate):**

Not Applicable.

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**Primary tributary substrate composition:**

Not Applicable.

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**Tributary (conditions, stability, presence, geometry, gradient):**

Not Applicable.

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**(c) Flow:**

Not Applicable.

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**Surface Flow is:**

Not Applicable.

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**Subsurface Flow:**

Not Applicable.

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**Tributary has:**

Not Applicable.

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**If factors other than the OHWM were used to determine lateral extent of CWA jurisdiction:**

**High Tide Line indicated by:**

Not Applicable.

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**Mean High Water Mark indicated by:**

Not Applicable.

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**(iii) Chemical Characteristics:**

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

Not Applicable.

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**(iv) Biological Characteristics. Channel supports:**

Not Applicable.

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

**(i) Physical Characteristics:**

**(a) General Wetland Characteristics:**

**Properties:**

Wetland Name	Size (Acres)	Wetland Type	Wetland Quality	Cross or Serve as State Boundaries. Explain
SWS-1; 2007-01072	.02	Seasonal Wetland Swale	-	-
SWS-2; 2007-01072	.09	Seasonal Wetland Swale	-	-
SWS-3, 2007-01072	.02	Seasonal Wetland Swale	-	-
SWS-4, Seep-1; 2007-01072	.07	Seep and seasonal wetland swale	-	-

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**(b) General Flow Relationship with Non-TNW:**

**Flow is:**

Wetland Name	Flow	Explain
SWS-1; 2007-01072	Intermittent flow.	-
SWS-2; 2007-01072	Intermittent flow.	-
SWS-3, 2007-01072	Intermittent flow.	-
SWS-4, Seep-1; 2007-01072	Intermittent flow.	-

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**Surface flow is:**

Wetland Name	Flow	Characteristics
SWS-1; 2007-01072	Confined	The flow within the wetlands is confined to a channel.
SWS-2; 2007-01072	Confined	The flow within the wetlands is confined to a distinct channel.
SWS-3, 2007-01072	Confined	The flow within the wetlands is confined to a channel.
SWS-4, Seep-1; 2007-01072	Confined	The seep and seasonal wetland swale are confined.

**Subsurface flow:**

Wetland Name	Subsurface Flow	Explain Findings	Dye (or other) Test
SWS-1; 2007-01072	Unknown	-	-
SWS-2; 2007-01072	Unknown	-	-
SWS-3, 2007-01072	Unknown	-	-
SWS-4, Seep-1; 2007-01072	Unknown	-	-

**(c) Wetland Adjacency Determination with Non-TNW:**

Wetland Name	Directly Abutting	Discrete Wetland Hydrologic Connection	Ecological Connection	Separated by Berm/Barrier
SWS-1; 2007-01072	Yes	-	-	-
SWS-2; 2007-01072	Yes	-	-	-
SWS-3, 2007-01072	Yes	-	-	-
SWS-4, Seep-1; 2007-01072	Yes	-	-	-

**(d) Proximity (Relationship) to TNW:**

Wetland Name	River Miles From TNW	Aerial Miles From TNW	Flow Direction	Within Floodplain
SWS-1; 2007-01072	2-5	2-5	Wetland to navigable waters	-
SWS-2; 2007-01072	2-5	2-5	Wetland to navigable waters	-
SWS-3, 2007-01072	2-5	2-5	Wetland to navigable waters	-
SWS-4, Seep-1; 2007-01072	2-5	2-5	Wetland to navigable waters	-

**(ii) Chemical Characteristics:**

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

Wetland Name	Explain	Identify specific pollutants, if known
SWS-1; 2007-01072	-	Unknown
SWS-2; 2007-01072	-	Unknown
SWS-3, 2007-01072	-	Unknwon
SWS-4, Seep-1; 2007-01072	-	Unknown

**(iii) Biological Characteristics. Wetland supports:**

Wetland Name	Riparian Buffer	Characteristics	Vegetation	Explain
SWS-1; 2007-01072	-	-	X	Hydrophytic vegetation, approximately 95%
SWS-2; 2007-01072	-	-	X	The seasonal wetland swale contains hydrophytic vegetation.
SWS-3, 2007-01072	-	-	X	The seasonal wetland swale contains hydrophytic vegetation.
SWS-4, Seep-1; 2007-01072	-	-	X	The wetlands contain hydrophytic vegetation.

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

**All wetlands being considered in the cumulative analysis:**

Not Applicable.

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

Not Applicable.

## 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.

**Findings for: SWS-1; 2007-01072, SWS-2; 2007-01072, SWS-3, 2007-01072, SWS-4, Seep-1; 2007-01072**

The seasonal wetland swales and seep are directly abutting Pond-1 a perennial RPW and during the winter season continually hold and contain water. Contaminants placed into the seasonal wetland swales would flow directly into Pond-1, which flows into Alder Creek, and would eventually flow into the American River, a TNW.

## D. DETERMINATIONS OF JURISDICTIONAL FINDINGS. THE SUBJECT WATERS/WETLANDS ARE:

**1. TNWs and Adjacent Wetlands:**

Not Applicable.

**2. RPWs that flow directly or indirectly into TNWs:**

Not Applicable.

**Provide estimates for jurisdictional waters in the review area:**

Not Applicable.

**3. Non-RPWs that flow directly or indirectly into TNWs:<sup>8</sup>**

Not Applicable.

**Provide estimates for jurisdictional waters in the review area:**

Not Applicable.

**4. Wetlands directly abutting an RPW that flow directly or indirectly into TNWs.**

Wetland Name	Flow	Explain
SWS-1; 2007-01072	SEASONAL	The wetlands contain and transmit water continuously throughout the rainy season.
SWS-2; 2007-01072	SEASONAL	The wetlands contain and transmit water during the rainy season.
SWS-3, 2007-01072	SEASONAL	The wetlands contain and transmit water during the rainy season.
SWS-4, Seep-1; 2007-01072	SEASONAL	The wetlands contain and transmit water during the rainy season.

**Provide acreage estimates for jurisdictional wetlands in the review area:**

Wetland Name	Type	Size (Linear) (m)	Size (Area) (m <sup>2</sup> )
SWS-1; 2007-01072	Wetlands directly abutting RPWs that flow directly or indirectly into TNWs	-	64.749696
SWS-2; 2007-01072	Wetlands directly abutting RPWs that flow directly or indirectly into TNWs	-	352.076472
SWS-3, 2007-01072	Wetlands directly abutting RPWs that flow directly or indirectly into TNWs	-	60.70284
SWS-4, Seep-1; 2007-01072	Wetlands directly abutting RPWs that flow directly or indirectly into TNWs	-	279.233064
<b>Total:</b>		<b>0</b>	<b>756.762072</b>

**5. Wetlands adjacent to but not directly abutting an RPW that flow directly or indirectly into TNWs:**

Not Applicable.

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**Provide acreage estimates for jurisdictional wetlands in the review area:**

Not Applicable.

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**6. Wetlands adjacent to non-RPWs that flow directly or indirectly into TNWs:**

Not Applicable.

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**Provide estimates for jurisdictional wetlands in the review area:**

Not Applicable.

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**7. Impoundments of jurisdictional waters:<sup>9</sup>**

Not Applicable.

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**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:<sup>10</sup>**

Not Applicable.

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**Identify water body and summarize rationale supporting determination:**

Not Applicable.

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**Provide estimates for jurisdictional waters in the review area:**

Not Applicable.

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**F. NON-JURISDICTIONAL WATERS. INCLUDING WETLANDS**

- 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):

There is no visible surface or subsurface connection of VP-1, SW-1 or SW-2 to any relatively permanent waters or navigable waters. These wetlands are small, man-made depressions that were constructed within and entirely surrounded by uplands. There is no outlet from these wetlands to any waters. Therefore, there is not a significant nexus to navigable waters.

Other (Explain):

**Provide acreage estimates for non-jurisdictional waters in the review area, where the sole potential basis of jurisdiction is the MBR factors (ie., presence of migratory birds, presence of endangered species, use of water for irrigated agriculture), using best professional judgment:**

Not Applicable.

**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.**

Not Applicable.

## SECTION IV: DATA SOURCES.

### A. SUPPORTING DATA. Data reviewed for JD

(listed items shall be included in case file and, where checked and requested, appropriately refer ence below):

Data Reviewed	Source Label	Source Description
--Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant	Wetland Delineation Map for Javanifard and Zargami Parcel	Final revised map prepared 29 July 2008 by ECORP Consulting Group.
--Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant	Wetland Delineation for Folsom South Owners Group Javanifard and Zargami Parcel	Prepared on 13 June 2007 and Revised 28 May 2008 by ECORP Consulting Group.
--Data sheets prepared/submitted by or on behalf of the applicant/consultant	-	-
----Office does not concur with data sheets/delineation report	Wetland Delineation Map for Javanifard and Zargami Parcel	Final revised map prepared 29 July 2008 by ECORP Consulting Group.
----Office does not concur with data sheets/delineation report	Wetland Delineation Map for Javanifard and Zargami	Prepared on 13 June 2007 and Revised 28 May 2008 by ECORP Consulting Group.
----Office does not concur with data sheets/delineation report	Wetland Determination Data Form	Completed by ECORP Consulting
--U.S. Geological Survey Hydrologic Atlas	-	-
----USGS 8 and 12 digit HUC maps	-	-
--National wetlands inventory map(s).	Folsom CA	-
--Photographs	-	-

----Aerial	AirPhoto USA	Dated March 2004, submitted by ECORP Consulting Group
----Other	Site Visit Photographs	Taken 28 April 2008

## B. ADDITIONAL COMMENTS TO SUPPORT JD:

### Description

SWS-1, SWS-2, SWS-3, SWS-4 and Seep-1 are directly abutting Pond-2 a perennial RPW that flows into Alder Creek. Alder Creek is a tributary to the American River. The American River is a TNW, as determined by the Sacramento District on February 4, 2008 (file number SPK-2008-00099). The American River is a tributary to the Sacramento River, a navigable water subject to Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act.

<sup>1</sup>-Boxes checked below shall be supported by completing the appropriate sections in Section III below.

<sup>2</sup>-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).

<sup>3</sup>-Supporting documentation is presented in Section III.F.

<sup>4</sup>-Note that the Instructional Guidebook contains additional information regarding swales, ditches, washes, and erosional features generally and in the arid West.

<sup>5</sup>-Flow route can be described by identifying, e.g., tributary a, which flows through the review area a, to flow into tributary b, which then flows into TNW.

<sup>6</sup>-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.

<sup>7</sup>-Ibid.

<sup>8</sup>-See Footnote #3.

<sup>9</sup>-To complete the analysis refer to the key in Section III.D.6 of the Instructional Guidebook.

<sup>10</sup>-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.