

**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): April 23, 2010**

**B. DISTRICT OFFICE, FILE NAME, AND NUMBER: Sacramento District, Gateway at Butte Creek, SPK-2009-00297**

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

State: **California** County/parish/borough: **Butte** City:  
Center coordinates of site (lat/long in degree decimal format): Lat. **39.6952031855151°**, Long. **-121.787137331559°**  
Universal Transverse Mercator: **10 603989.88 4394631.69**

Name of nearest waterbody: **Butte Creek**

Name of nearest Traditional Navigable Water (TNW) into which the aquatic resource flows: **Butte Creek**

Name of watershed or Hydrologic Unit Code (HUC): **Lower Butte, California., 18020105**

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): **July 21, 2009, February 5, 2010**

**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 and are not** "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):<sup>1</sup>**

TNWs, including territorial seas

Wetlands adjacent to TNWs

Relatively permanent waters<sup>2</sup> (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: **362,557** linear feet, **2** wide, and/or **0.017** acres.

Wetlands: **0.843** acres.

**c. Limits (boundaries) of jurisdiction based on: 1987 Delineation Manual**

Elevation of established OHWM (if known):

**2. Non-regulated waters/wetlands (check if applicable):<sup>3</sup>**

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

Explain: **Features PJ02, PJ04, PJ16, and PJ17 are seasonal ponds that occur within pits excavated during historical mining activity. The walls of these pits are high enough that there is no possibility that the water that collects within them can flow into Butte Creek. Subsurface flow from these features is not likely. Several large earthen berms separate these features from Butte Creek. They sit higher in elevation than some surrounding non-inundated**

<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.

depressions. Pits were dug within surrounding lower elevation depressions and no evidence of saturation or subsurface flow was observed. Features PJ01, PJ03, PJ11, PJ12, and PJ13 have formed in depressions created by offroad and/or recreational vehicle activity. As with the seasonal ponds mentioned above, these features are separated from Butte Creek by several earthen berms. No surface connection to Butte Creek is possible. For reasons mentioned above, no subsurface flow is likely. Due to their distance from Butte Creek, they have little to no possibility of conveying pollutants to Butte Creek.

### 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:

Summarize rationale supporting determination:

2. Wetland adjacent to TNW

Summarize rationale supporting conclusion that wetland is “adjacent”:

#### 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<sup>4</sup> 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: **unknown acres**  
Drainage area: **unknown acres**  
Average annual rainfall: **26 inches**  
Average annual snowfall: **0 inches**

(ii) Physical Characteristics:

(a) Relationship with TNW:

- Tributary flows directly into TNW.  
 Tributary flows through **Pick List** tributaries before entering TNW.

Project waters are **30 (or more)** river miles from TNW.  
Project waters are **1 (or less)** river miles from RPW.  
Project waters are **5-10** aerial (straight) miles from TNW.

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

Project waters are **1 (or less)** aerial (straight) miles from RPW.  
Project waters cross or serve as state boundaries. Explain:

Identify flow route to TNW<sup>5</sup>: **This feature is a diversion from Butte Creek. Water is diverted up stream from the review area and is used for agricultural purposes. A culvert located immediately south of the survey area conveys a small portion of the water back into Butte Creek.**

Tributary stream order, if known: **From Butte Creek to Sacramento River**

(b) General Tributary Characteristics (check all that apply):

Tributary is:  Natural  
 Artificial (man-made). Explain: **Concrete lined channelized irrigation ditch.**  
 Manipulated (man-altered). Explain:

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

Average width: **2** feet  
Average depth: **2** feet  
Average side slopes: **2:1**.

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: **Stable due to concrete lining**  
Presence of run/riffle/pool complexes. Explain: **None. Concrete channeling prevents normal fluvial geomorphological features from forming.**

Tributary geometry: **Relatively straight**

Tributary gradient (approximate average slope): **<1 %**

(c) Flow:

Tributary provides for: **Intermittent but not seasonal flow**

Estimate average number of flow events in review area/year: **20 (or greater)**

Describe flow regime: **Concrete lined canal diverts water from further upstream on Butte Creek and diverts it to agricultural land throughout a majority of the year. Water levels vary depending on the time of year.**

Other information on duration and volume: **Flow is dependent upon agricultural needs.**

Surface flow is: **Confined**. Characteristics:

Subsurface flow: **No**. Explain findings: **Subsurface flow cannot occur due to concrete lining.**

Dye (or other) test performed:

Tributary has (check all that apply):

Bed and banks  
 OHWM<sup>6</sup> (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): **Concrete lined.**  
 Discontinuous OHWM.<sup>7</sup> 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

<sup>5</sup> 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.

<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.

other (list):

(iii) **Chemical Characteristics:**

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

Explain: **Water is clear.**

Identify specific pollutants, if known: **No known, likely same affluent as Butte Creek, which is not known.**

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

Riparian corridor. Characteristics (type, average width): **None**

Wetland fringe. Characteristics: **Cannot occur**

Habitat for:

Federally Listed species. Explain findings: **Not likely due to shallow flow and concrete channelization.**

Fish/spawn areas. Explain findings: **None observed or likely.**

Other environmentally-sensitive species. Explain findings: **None observed or likely.**

Aquatic/wildlife diversity. Explain findings: **None observed.**

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: **0.843** acres

Wetland type. Explain: **Seasonal depressional wetlands**

Wetland quality. Explain: **Poor to good. Poor quality wetlands are PJ05, PJ06, PJ07, PJ09, and PJ15. These wetlands have been heavily impacted by vehicle activity. Wetlands PJ08 and PJ14 are of good quality and support regionally typical wetland vegetation. Wetland PJ10 is a riparian area characterized by thick Salix sp. growth and is of good quality.**

Project wetlands cross or serve as state boundaries. Explain:

(b) General Flow Relationship with Non-TNW:

Flow is: **No Flow**. Explain: **Flow between all adjacent features and Butte Creek was not observable.**

Surface flow is: **Not present**

Characteristics:

Subsurface flow: **Unknown**. 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: **A large man-made berm separates the wetlands from Butte Creek. In the absence of this berm, these features would likely be hydrologically connected to Butte Creek via seasonal surface flow.**

(d) Proximity (Relationship) to TNW

Project wetlands are **1 (or less)** river miles from TNW.

Project waters are **1 (or less)** aerial (straight) miles from TNW.

Flow is from: **No Flow**.

Estimate approximate location of wetland as within the **100 - 500-year** 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: **Water color in PJ05, PJ06, PJ07, PJ09 and PJ15 is brown and turbid due to frequent disturbance from vehicles traveling through them. Wetlands PJ08 and PJ14 are clear with no obvious evidence of contamination and support a wide variety of hydrophytic vegetation. Wetland PJ10 is thickly vegetated with small shrub/tree strata and hydrology was too concealed to observe.**

Identify specific pollutants, if known:

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

Riparian buffer. Characteristics (type, average width): **PJ10 is a Riparian wetland.**

Vegetation type/percent cover. Explain: **All wetlands have dominant FAC or better vegetation.**

Habitat for:

Federally Listed species. Explain findings:

- Fish/spawn areas. Explain findings:
- Other environmentally-sensitive species. Explain findings: **Butte County contains a high density of vernal pools. The wetlands on site have the capacity to provide habitat for vernal pool species.**
- Aquatic/wildlife diversity. Explain findings: **Wetlands on site can provide foraging habitat for birds and other animals.**

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

All wetland(s) being considered in the cumulative analysis: **9**

Approximately **0.843** acres in total are being considered in the cumulative analysis.

For each wetland, specify the following:

<u>Directly abuts? (Y/N)</u>	<u>Size (in acres)</u>	<u>Directly abuts? (Y/N)</u>	<u>Size (in acres)</u>
<b>PJ05, No</b>	<b>0.013</b>	<b>PJ06, No</b>	<b>0.010</b>
<b>PJ07, No</b>	<b>0.007</b>	<b>PJ08, No</b>	<b>0.024</b>
<b>PJ09, No</b>	<b>0.077</b>	<b>PJ10, No</b>	<b>0.466</b>
<b>PJ14, No</b>	<b>0.175</b>	<b>PJ15, No</b>	<b>0.071</b>
<b>PJ18, No</b>	<b>0.060</b>		

Summarize overall biological, chemical and physical functions being performed: **Wetland PJ10 is high quality riparian habitat. Wetlands PJ05-PJ09, PJ14, and PJ15 hold excess storm water and provide habitat for wetland vegetation and foraging habitat for migratory birds.**

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: N/A
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: N/A
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: N/A

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, wide, Or acres.
- Wetlands adjacent to TNWs: 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: **Water is artificially diverted from Butte Creek for over 3 months out of the year for agricultural use, where it is then routed back into Butte Creek**

Provide estimates for jurisdictional waters in the review area (check all that apply):

- Tributary waters: **362.557** linear feet **2** wide.
  - Other non-wetland waters: acres.
- Identify type(s) of waters:

**3. Non-RPWs<sup>8</sup> 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: linear feet, wide.
  - Other non-wetland waters: acres.
- Identify type(s) of waters: **N/A**

**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: **N/A**
  - 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: **N/A**

Provide acreage estimates for jurisdictional wetlands in the review area: **N/A** 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 jurisdictional. Data supporting this conclusion is provided at Section III.C.

Provide acreage estimates for jurisdictional wetlands in the review area: **0.843** 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: **N/A** acres.

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

- 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
  - 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):<sup>10</sup>**

<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.

- 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,           wide.
- 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,           wide.
- Lakes/ponds: **0.060** acres.
- Other non-wetland waters:           acres. List type of aquatic resource:
- Wetlands: **.528** 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,           wide.
- 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: **Gateway at Butte Creek Draft Delineation of the Waters of the U.S., Gallaway Consulting, February 18, 2010 Revision**
- 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: **1:24K; CA-CHICO**
- 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): **BCAG 2006**  
or  Other (Name & Date): **Photo#1-Photo#12 within March 3, 2009 "Draft Delineation of Waters of the United States, The Gateway at Butte Creek," submitted by Gallaway Consulting.**
- 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:**

**Jurisdictional wetlands are PJ05, PJ06, PJ07, PJ09, PJ10, PJ14, and PJ15. While not having a direct physical connection to the nearest RPW, Butte Creek, they are separated by a berm, and are close enough to Butte Creek to be considered adjacent. Absent the berm, water from these features would flow into Butte Creek during heavy rain events. Feature PJ18 was found to be jurisdictional because it conveys water from jurisdictional waters of the United States, and deposits those waters back into jurisdictional waters of the United States.**

**Non-Jurisdictional waters are PJ01, PJ02, PJ03 PJ04,PJ11, PJ12, PJ13, PJ16, and PJ17. These features have no deomnstrable surface connection to Butte Creek, and thus no nexus to a Traditionally Navigable Water. These features are prevented from being hydrologically connected to Butte Creek due to the existence of several berms between them and Butte Creek. Were these berms to be removed, these features would be highly unlikely to connect to Butte Creek due to the elevational gradient that exists between them and Butte Creek. There is no nexus between these features and any other RPW or TNW. These features cannot affect the physical, biological, or chemical characteristics of Sacramento River, the nearest TNW. Based upon these facts, these features have no significant nexus to a TNW and are thus non-jurisdictional isolated waters.**