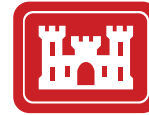




®

Regulatory Program



®

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

This form should be completed by following the instructions provided in the Interim Approved Jurisdictional Determination Form User Manual.

SECTION I: BACKGROUND INFORMATION

A. COMPLETION DATE FOR APPROVED JURISDICTIONAL DETERMINATION (AJD): February 27, 2019

B. ORM NUMBER IN APPROPRIATE FORMAT (e.g., HQ-2015-00001-SMJ): SPK-2019-00031

C. PROJECT LOCATION AND BACKGROUND INFORMATION:

State: California County/parish/borough: Placer County City: Roseville

Center coordinates of site (lat/long in degree decimal format): Lat. 38.75, Long. -121.29.

Map(s)/diagram(s) of review area (including map identifying single point of entry (SPOE) watershed and/or potential jurisdictional areas where applicable) is/are: attached in report/map titled .

Other sites (e.g., offsite mitigation sites, disposal sites, etc.) are associated with this action and are recorded on a different jurisdictional determination (JD) form. List JD form ID numbers (e.g., HQ-2015-00001-SMJ-1): .

D. REVIEW PERFORMED FOR SITE EVALUATION:

Office (Desk) Determination Only. Date: February 27, 2019.

Office (Desk) and Field Determination. Office/Desk Dates: . Field Date(s): .

SECTION II: DATA SOURCES

Check all that were used to aid in the determination and attach data/maps to this AJD form and/or references/citations in the administrative record, as appropriate.

Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant. Title/Date: Aquatic Resources Delineation for the Placer County Sports and Event Complex, dated July 14, 2017, prepared by Madrone Ecological Consulting (attachment 1).

Data sheets prepared/submitted by or on behalf of the applicant/consultant.

Data sheets/delineation report are sufficient for purposes of AJD form. Title/Date: Aquatic Resources Delineation Report for the Placer County Sports and Event Complex, dated July 2017, prepared by Madrone Ecological Consulting.

Data sheets/delineation report are not sufficient for purposes of AJD form. Summarize rationale and include information on revised data sheets/delineation report that this AJD form has relied upon:

Revised Title/Date: .

Data sheets prepared by the Corps. Title/Date: .

Corps navigable waters study. Title/Date: .

CorpsMap ORM map layers. Title/Date: ORM Project Locations and ORM Aquatic Resources layers, accessed February 22, 2019.

USGS Hydrologic Atlas. Title/Date: .

USGS, NHD, or WBD data/maps. Title/Date: EPA MyWaters, dated August 17, 2018.

USGS 8, 10 and/or 12 digit HUC maps. HUC number: Pleasant Grove Creek, HUC 180201610302.

USGS maps. Scale & quad name and date: .

USDA NRCS Soil Survey. Citation: .

USFWS National Wetlands Inventory maps. Citation: .

State/Local wetland inventory maps. Citation: .

FEMA/FIRM maps. Citation: Panel 06061C0943H, November 2, 2018 .

Photographs: Aerial. Citation: Google Earth Pro; accessed February 25, 2019 . or Other. Citation: Ground photos of the aquatic resources, dated July 2017, taken by Madrone Ecological Consulting (attachment 2).

September and October 2018.

LiDAR data/maps. Citation: CA Department of Water Resources (DWR) Central Valley Floodplain Evaluation and Delineation Program - Lower Sacramento - Final TO20 Terrain (DWR_CVFED_TO20_WRLS_FT), accessed February 22, 2019 (attachment 3).

- Previous JDs. File no. and date of JD letter:
- Applicable/supporting case law:
- Applicable/supporting scientific literature:
- Other information (please specify):

SECTION III: SUMMARY OF FINDINGS

Complete ORM "Aquatic Resource Upload Sheet" or Export and Print the Aquatic Resource Screen from ORM for All Waters and Features, Regardless of Jurisdictional Status – Required

A. RIVERS AND HARBORS ACT (RHA) SECTION 10 DETERMINATION OF JURISDICTION:

"navigable waters of the U.S." within RHA jurisdiction (as defined by 33 CFR part 329) in the review area.

- **Complete Table 1 - Required**

NOTE: If the navigable water is not subject to the ebb and flow of the tide or included on the District's list of Section 10 navigable waters list, DO NOT USE THIS FORM TO MAKE THE DETERMINATION. The District must continue to follow the procedure outlined in 33 CFR part 329.14 to make a Section 10 RHA navigability determination.

B. CLEAN WATER ACT (CWA) SECTION 404 DETERMINATION OF JURISDICTION: "waters of the U.S." within CWA jurisdiction (as defined by 33 CFR part 328.3) in the review area. Check all that apply.

(a)(1): All waters which are currently used, were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide. (Traditional Navigable Waters (TNWs))

- **Complete Table 1 - Required**

This AJD includes a case-specific (a)(1) TNW (Section 404 navigable-in-fact) determination on a water that has not previously been designated as such. Documentation required for this case-specific (a)(1) TNW determination is attached.

(a)(2): All interstate waters, including interstate wetlands.

- **Complete Table 2 - Required**

(a)(3): The territorial seas.

- **Complete Table 3 - Required**

(a)(4): All impoundments of waters otherwise identified as waters of the U.S. under 33 CFR part 328.3.

- **Complete Table 4 - Required**

(a)(5): All tributaries, as defined in 33 CFR part 328.3, of waters identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.

- **Complete Table 5 - Required**

(a)(6): All waters adjacent to a water identified in paragraphs (a)(1)-(a)(5) of 33 CFR part 328.3, including wetlands, ponds, lakes, oxbows, impoundments, and similar waters.

- **Complete Table 6 - Required**

Bordering/Contiguous.
Neighboring:

(c)(2)(i): All waters located within 100 feet of the ordinary high water mark (OHWM) of a water identified in paragraphs (a)(1)-(a)(5) of 33 CFR part 328.3.

(c)(2)(ii): All waters located within the 100-year floodplain of a water identified in paragraphs (a)(1)-(a)(5) of 33 CFR part 328.3 and not more than 1,500 feet of the OHWM of such water.

(c)(2)(iii): All waters located within 1,500 feet of the high tide line of a water identified in paragraphs (a)(1) or (a)(3) of 33 CFR part 328.3, and all waters within 1,500 feet of the OHWM of the Great Lakes.

(a)(7): All waters identified in 33 CFR 328.3(a)(7)(i)-(v) where they are determined, on a case-specific basis, to have a significant nexus to a water identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.

- **Complete Table 7 for the significant nexus determination. Attach a map delineating the SPOE watershed boundary with (a)(7) waters identified in the similarly situated analysis. - Required**

Includes water(s) that are geographically and physically adjacent per (a)(6), but are being used for established, normal farming, silviculture, and ranching activities (33 USC Section 1344(f)(1)) and therefore are not adjacent and require a case-specific significant nexus determination.

(a)(8): All waters located within the 100-year floodplain of a water identified in paragraphs (a)(1)-(a)(3) of 33

CFR part 328.3 not covered by (c)(2)(ii) above and all waters located within 4,000 feet of the high tide line or OHWM of a water identified in paragraphs (a)(1)-(a)(5) of 33 CFR part 328.3 where they are determined on a case-specific basis to have a significant nexus to a water identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.

• **Complete Table 8 for the significant nexus determination. Attach a map delineating the SPOE watershed boundary with (a)(8) waters identified in the similarly situated analysis. - Required**

Includes water(s) that are geographically and physically adjacent per (a)(6), but are being used for established, normal farming, silviculture, and ranching activities (33 USC Section 1344(f)(1)) and therefore are not adjacent and require a case-specific significant nexus determination.

C. NON-WATERS OF THE U.S. FINDINGS:

Check all that apply.

The review area is comprised entirely of dry land.

Potential-(a)(7) Waters: Waters that DO NOT have a significant nexus to a water identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.

• **Complete Table 9 and attach a map delineating the SPOE watershed boundary with potential (a)(7) waters identified in the similarly situated analysis. - Required**

Includes water(s) that are geographically and physically adjacent per (a)(6), but are being used for established, normal farming, silviculture, and ranching activities (33 USC Section 1344(f)(1)) and therefore are not adjacent and require a case-specific significant nexus determination.

Potential-(a)(8) Waters: Waters that DO NOT have a significant nexus to a water identified in paragraphs (a)(1)-(a)(3) of 33 CFR part 328.3.

• **Complete Table 9 and attach a map delineating the SPOE watershed boundary with potential (a)(8) waters identified in the similarly situated analysis. - Required**

Includes water(s) that are geographically and physically adjacent per (a)(6), but are being used for established, normal farming, silviculture, and ranching activities (33 USC Section 1344(f)(1)) and therefore are not adjacent and require a case-specific significant nexus determination.

Excluded Waters (Non-Waters of U.S.), even where they otherwise meet the terms of paragraphs (a)(4)-(a)(8):

• **Complete Table 10 - Required**

(b)(1): Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of the CWA.

(b)(2): Prior converted cropland.

(b)(3)(i): Ditches with ephemeral flow that are not a relocated tributary or excavated in a tributary.

(b)(3)(ii): Ditches with intermittent flow that are not a relocated tributary, excavated in a tributary, or drain wetlands.

(b)(3)(iii): Ditches that do not flow, either directly or through another water, into a water identified in paragraphs (a)(1)-(a)(3).

(b)(4)(i): Artificially irrigated areas that would revert to dry land should application of water to that area cease.

(b)(4)(ii): Artificial, constructed lakes and ponds created in dry land such as farm and stock watering ponds, irrigation ponds, settling basins, fields flooded for rice growing, log cleaning ponds, or cooling ponds.

(b)(4)(iii): Artificial reflecting pools or swimming pools created in dry land.¹

(b)(4)(iv): Small ornamental waters created in dry land.¹

(b)(4)(v): Water-filled depressions created in dry land incidental to mining or construction activity, including pits excavated for obtaining fill, sand, or gravel that fill with water.

(b)(4)(vi): Erosional features, including gullies, rills, and other ephemeral features that do not meet the definition of tributary, non-wetland swales, and lawfully constructed grassed waterways.¹

(b)(4)(vii): Puddles.¹

(b)(5): Groundwater, including groundwater drained through subsurface drainage systems.¹

(b)(6): Stormwater control features constructed to convey, treat, or store stormwater that are created in dry land.¹

(b)(7): Wastewater recycling structures created in dry land; detention and retention basins built for wastewater recycling; groundwater recharge basins; percolation ponds built for wastewater recycling; and water distributary structures built for wastewater recycling.

Other non-jurisdictional waters/features within review area that do not meet the definitions in 33 CFR 328.3 of (a)(1)-(a)(8) waters and are not excluded waters identified in (b)(1)-(b)(7).

• **Complete Table 11 - Required.**

¹ In many cases these excluded features will not be specifically identified on the AJD form, unless specifically requested. Corps Districts may, in case-by-case instances, choose to identify some or all of these features within the review area.

D. ADDITIONAL COMMENTS TO SUPPORT AJD: The study area is located on an undeveloped portion of the existing Placer County Fairgrounds (constructed in 1937); bound by Lawton Avenue and residential development to the south, residential and a small undeveloped property to the west, and fairground and industrial buildings to the north and east. Topography within the study area ranges from approximately 162 to 175 feet above mean sea level. Hydrology on the site is driven exclusively by seasonal rains and landscape irrigation.

Seasonal wetland 1 (SW 1) is a moderately deep depressional feature, fed by runoff from Lawton Avenue to the south through ephemeral drainages ED 1 and ED 2. Dominate vegetation includes perennial ryegrass, fiddle dock (*Rumex crispus*), common spikerush (*Eleocharis macrostachya*), hyssop loosestrife (*Lythrum hyssopifolia*), and crabgrass (*Digitaria* species). The soil matrix colors at Data Point 2 were 7.5 YR 2.5/1 from surface to a depth of 1" with no redox features, and 10 YR 4/2 from a depth of 1 to 16" with 20% redox concentrations (5 Y 3/4) in the matrix and manganese concretions. The soil at this data point was considered to be hydric based on the presence of field indicator F6 (redox dark surface). Hydrology indicators included saturation, water marks, sediment deposits and surface water.

Seasonal wetland 2 (SW 2) is a shallow depressional feature, fed by runoff from adjacent developed areas and is dominated by perennial rye grass. The soil matrix colors at Data Point 10 were 10 YR 3/2 with 5% redox concentrations (5 YR 3/6), and 5% redox concentrations (5 YR 2.5/1) at a depth of 2-12". Soils exhibited a depleted matrix (F3) hydric soil indicator. Primary hydrology indicators included water marks and sediment deposits, as well as a secondary hydrology indicators of drainage patterns.

Seasonal wetland swale 1 (SWS 1) receives flows from ephemeral drainage ED 1. SWS 1 is dominated by fiddle dock and perennial ryegrass. Wetland hydrology observed in SWS 1 during the field survey included sediment deposits and water stained leaves. The soils at Data Point 5 are sand underlain by clay, and this feature may have been originally created as a drainage swale with a clay liner to drain water from the adjacent roadways and parking areas. The soil has a matrix color of 7.5 YR 4/4 at a depth of 4 to 8 inches, with 20% redox concentration (10 YR 5/1) and is considered hydric based on the presence of field indicator TF2 (red parent material).

Under paragraphs (a)(1)-(a)(5) of 33 CFR part 328.3, the evaluated wetlands do not meet the definition of a water of the U.S. because they are neither a traditional navigable water, interstate water, territorial sea, impoundment, or covered tributary. Per paragraphs (a)(6)-(a)(8) of 33 CFR 328.3, the evaluated wetlands do not meet the definition of a water of the U.S. because they are neither adjacent, bordering or neighboring a water identified in paragraphs (a)(1)-(a)(5) of 33 CFR 238.3, nor are they being used for established, normal farming, silviculture, and ranching activities per 33 USC Section 1344(f)(1), nor are they western vernal pools.

As shown on the attached Google Earth photograph with EPA MyWaters and FEMA/FIRM map overlay (attachment 4), the evaluated wetlands are located beyond the 100-year floodplain of an unnamed tributary to South Branch Antelope Creek, a water identified in paragraph (a)(5) of 33 CFR part 328.3 and are more than 4,000 feet of the OHWM of the covered tributary, an (a)(5) water of the U.S. Since they do not meet the definition of a waters of the U.S., per paragraphs (a)(6)-(a)(8), they do not require a case-specific significant nexus determination and are other distant non-waters of the U.S.

Ephemeral ditch 1 (ED 1) is an unvegetated tributary to SW 1, directing stormwater runoff from Lawton Avenue north to SW1. ED 1 has a distinct bank and ordinary high water mark indicators, including water marks and destruction of terrestrial vegetation.

Ephemeral ditch 2 (ED 2) is a tributary to SW 1 and SWS 2. ED 2 collects stormwater runoff from gravel parking lots and Lawton Avenue and directs flows both northwest to SW 1 and east to SWS 1. ED 2 is deeply incised, with steep sides up to 36 inches deep, and an unvegetated bottom. Ordinary high water mark indicators include exposed roots, shelving, water marks and destruction of terrestrial vegetation.

Ephemeral ditch 3 (ED) 3 is a shallow, partially vegetated feature that collects water from developed uplands and parking lots to the north, and flows into a drop inlet at the southwestern terminus. The ordinary high water mark of ED 3 exhibits steep banks up to 12" deep and water marks near road culverts and the drop inlet.

Based on available historic aerial photographs (<https://www.historicaerials.com/viewer>), the ditches appear to have been constructed in dry land, shortly after construction of the surrounding Placer County Fairgrounds. No aquatic resources and/or features were visible on the 1947 and 1957 aerial photographs. On the 1966 aerial, two large buildings and associated parking areas had been constructed in the north-central portion of the site, and a dark area

in the southwestern corner (presumably SW1) had formed as a likely result of accumulated stormwater in a depression, incidental to construction of the surrounding parking areas. No other aquatic resources and/or features were visible.

On the May 22, 1993, Google Earth Pro aerial photograph, a dirt parking lot has been graded in the south central portion of the site and ED-1 & 2 appear to have been constructed in dry land to facilitate drainage of the newly graded parking area. No other aquatic resources and/or features are visible. By August 16, 1998 (Google Earth Pro aerial photograph), the dirt parking area north of ED-1 & 2 and SWS-1 has been leveled out, and all aquatic resources and/or features are visible.

Jurisdictional Waters of the U.S.

Default field entry is “N/A”. Delete “N/A” and fill out all fields in the table where applicable for waters/features present in the review area.

Table 1. (a)(1) Traditional Navigable Waters

(a)(1) Waters Name	(a)(1) Criteria	Rationale to Support (a)(1) Designation Include High Tide Line or Ordinary High Water Mark indicators, when applicable.
N/A	Choose an item.	N/A

Table 2. (a)(2) Interstate Waters

(a)(2) Waters Name	Rationale to Support (a)(2) Designation
N/A	N/A

Table 3. (a)(3) Territorial Seas

(a)(3) Waters Name	Rationale to Support (a)(3) Designation
N/A	N/A

Table 4. (a)(4) Impoundments

(a)(4) Waters Name	Rationale to Support (a)(4) Designation
N/A	N/A

Table 5. (a)(5) Tributaries

(a)(5) Waters Name	Flow Regime	(a)(1)-(a)(3) Water Name to which this (a)(5) Tributary Flows	Tributary Breaks	Rationale for (a)(5) Designation and Additional Discussion. Identify flowpath to (a)(1)-(a)(3) water or attach map identifying the flowpath; explain any breaks or flow through excluded/non-jurisdictional features, etc.
N/A	Choose an item.	N/A	Choose an item.	N/A

Table 6. (a)(6) Adjacent Waters

(a)(6) Waters Name	(a)(1)-(a)(5) Water Name to which this Water is Adjacent	Rationale for (a)(6) Designation and Additional Discussion. Identify the type of water and how the limits of jurisdiction were established (e.g., wetland, 87 Manual/Regional Supplement); explain how the 100-year floodplain and/or the distance threshold was determined; whether this water extends beyond a threshold; explain if the water is part of a mosaic, etc.
N/A	N/A	N/A

Table 7. (a)(7) Waters

SPOE Name	(a)(7) Waters Name	(a)(1)-(a)(3) Water Name to which this Water has a Significant Nexus	Significant Nexus Determination Identify SPOE watershed; discuss whether any similarly situated waters were present and aggregated for SND; discuss data, provide analysis, and summarize how the waters have more than speculative or insubstantial effect on the physical, chemical, or biological integrity of the (a)(1)-(a)(3) water, etc.
N/A	N/A	N/A	N/A

Table 8. (a)(8) Waters

SPOE Name	(a)(8) Waters Name	(a)(1)-(a)(3) Water Name to which this Water has a Significant Nexus	Significant Nexus Determination Identify SPOE watershed; explain how 100-yr floodplain and/or the distance threshold was determined; discuss whether waters were determined to be similarly situated to subject water and aggregated for SND; discuss data, provide analysis, and then summarize how the waters have more than speculative or insubstantial effect the on the physical, chemical, or biological integrity of the (a)(1)-(a)(3) water, etc.
N/A	N/A	N/A	N/A

Non-Jurisdictional Waters

Default field entry is "N/A". Delete "N/A" and fill out all fields in the table where applicable for waters/features present in the review area.

Table 9. Non-Waters/No Significant Nexus

SPOE Name	Non-(a)(7)/(a)(8) Waters Name	(a)(1)-(a)(3) Water Name to which this Water DOES NOT have a Significant Nexus	Basis for Determination that the Functions DO NOT Contribute Significantly to the Chemical, Physical, or Biological Integrity of the (a)(1)-(a)(3) Water. Identify SPOE watershed; explain how 100-yr floodplain and/or the distance threshold was determined; discuss whether waters were determined to be similarly situated to the subject water; discuss data, provide analysis, and summarize how the waters did not have more than a speculative or insubstantial effect on the physical, chemical, or biological integrity of the (a)(1)-(a)(3) water.
N/A	N/A	N/A	N/A

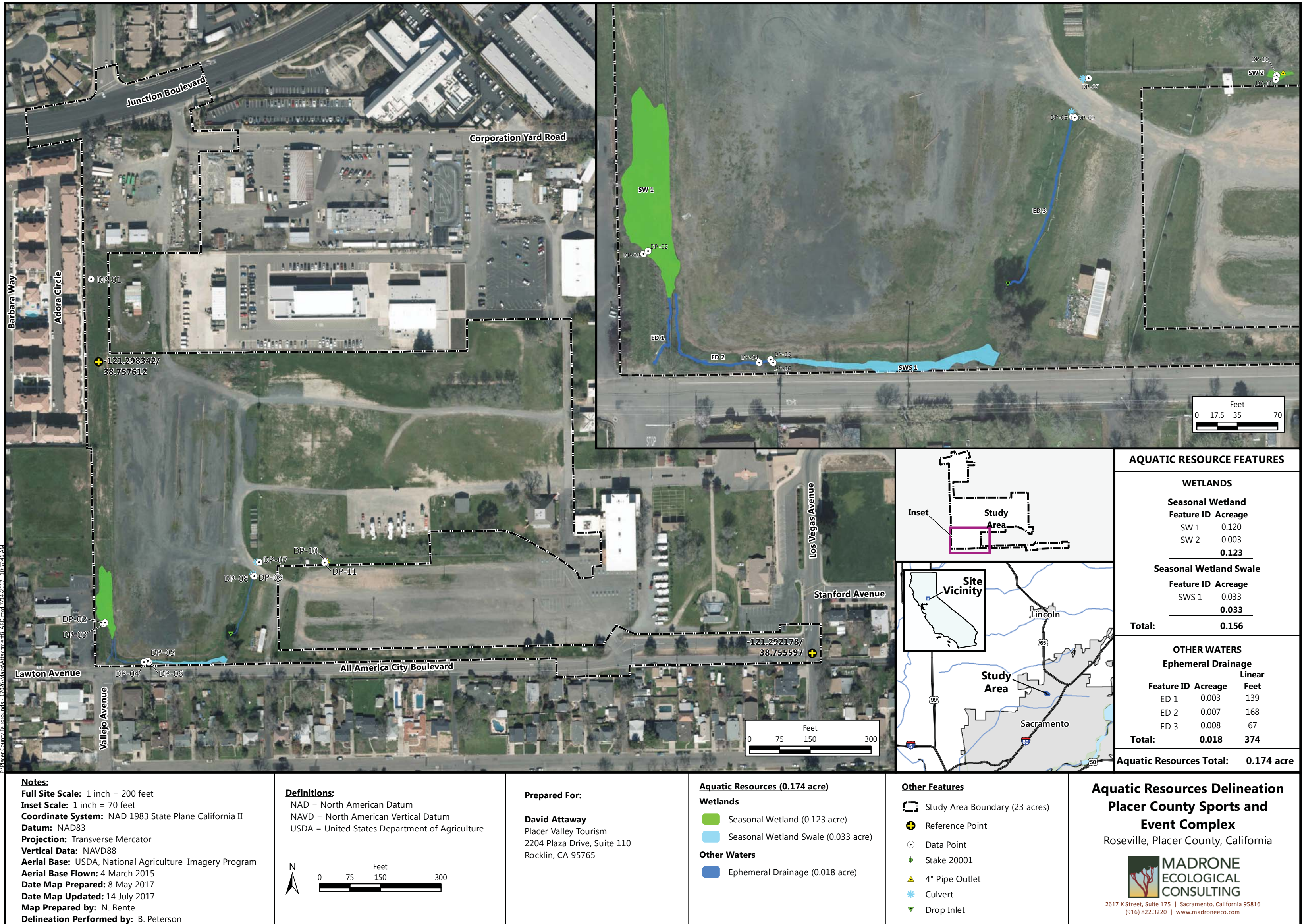
Table 10. Non-Waters/Excluded Waters and Features

Paragraph (b) Excluded Feature/Water Name	Rationale for Paragraph (b) Excluded Feature/Water and Additional Discussion.
SPK-2019-00031-ED-1	This feature is an excluded (b)(3)(i) non-water of the U.S. The evaluated feature is a manmade drainage ditch, created in dry land, with ephemeral flow. The ditch is not a relocated tributary, nor was it constructed in a tributary.
SPK-2019-00031-ED-2	This feature is an excluded (b)(3)(i) non-water of the U.S. The evaluated feature is a manmade drainage ditch, created in dry land, with ephemeral flow. The ditch is not a relocated tributary, nor was it constructed in a tributary.
SPK-2019-00031-ED-3	This feature is an excluded (b)(3)(i) non-water of the U.S. The evaluated feature is a manmade drainage ditch, created in dry land, with ephemeral flow. The ditch is not a relocated tributary, nor was it constructed in a tributary.

Table 11. Non-Waters/Other

Other Non-Waters of U.S. Feature/Water Name	Rationale for Non-Waters of U.S. Feature/Water and Additional Discussion.
SPK-2019-00031-SW-1	This wetland is an other distant non-water of the U.S. This wetland does not meet any of the 328.3 (a)(1)-(a)(8) categories, is not excluded under (b)(1)-(b)(7), and is outside of the 4,000 foot (or 100-yr floodplain) threshold.
SPK-2019-00031-SW-2	This wetland is an other distant non-water of the U.S. This wetland does not meet any of the 328.3 (a)(1)-(a)(8) categories, is not excluded under (b)(1)-(b)(7), and is outside of the 4,000 foot (or 100-yr floodplain) threshold.
SPK-2019-00031-SWS-1	This wetland is an other distant non-water of the U.S. This wetland does not meet any of the 328.3 (a)(1)-(a)(8) categories, is not excluded under (b)(1)-(b)(7), and is outside of the 4,000 foot (or 100-yr floodplain) threshold.

Waters_Name	State	Cowardin Code	Hgm Code	Meas Type	Amount	Units	Waters_Type	Latitude	Longitude
SPK-2019-00031-ED-1	CA	R6-RIVERINE, EPHEMERAL		LINEAR	139	FEET	EXCLDB3I	38.75568	-121.298
SPK-2019-00031-ED-2	CA	R6-RIVERINE, EPHEMERAL		LINEAR	168	FEET	EXCLDB3I	38.75558	-121.298
SPK-2019-00031-ED-3	CA	R6-RIVERINE, EPHEMERAL		LINEAR	67	FEET	EXCLDB3I	38.75597	-121.297
SPK-2019-00031-SW-1	CA	PEM-PALUSTRINE, EMERGENT	Depressional	AREA	0.12	ACRES	OTHERDIST	38.75597	-121.298
SPK-2019-00031-SW-2	CA	PEM-PALUSTRINE, EMERGENT	Depressional	AREA	0.003	ACRES	OTHERDIST	38.75623	-121.296
SPK-2019-00031-SWS-1	CA	PEM-PALUSTRINE, EMERGENT	Depressional	AREA	0.03	ACRES	OTHERDIST	38.75558	-121.298



AQUATIC RESOURCE FEATURES

WETLANDS

Seasonal Wetland	
Feature ID	Acres
SW 1	0.120
SW 2	0.003
Total:	0.123

Seasonal Wetland Swale	
Feature ID	Acres
SWS 1	0.033
Total:	0.033

Total: 0.156

OTHER WATERS

Ephemeral Drainage		
Feature ID	Acres	Linear Feet
ED 1	0.003	139
ED 2	0.007	168
ED 3	0.008	67
Total:	0.018	374

Aquatic Resources Total: 0.174 acre

Notes:
Full Site Scale: 1 inch = 200 feet
Inset Scale: 1 inch = 70 feet
Coordinate System: NAD 1983 State Plane California II
Datum: NAD83
Projection: Transverse Mercator
Vertical Data: NAVD88
Aerial Base: USDA, National Agriculture Imagery Program
Aerial Base Flown: 4 March 2015
Date Map Prepared: 8 May 2017
Date Map Updated: 14 July 2017
Map Prepared by: N. Bente
Delineation Performed by: B. Peterson

Definitions:
 NAD = North American Datum
 NAVD = North American Vertical Datum
 USDA = United States Department of Agriculture

Prepared For:
David Attaway
 Placer Valley Tourism
 2204 Plaza Drive, Suite 110
 Rocklin, CA 95765

Aquatic Resources (0.174 acre)
Wetlands
 Seasonal Wetland (0.123 acre)
 Seasonal Wetland Swale (0.033 acre)
Other Waters
 Ephemeral Drainage (0.018 acre)

Other Features
 Study Area Boundary (23 acres)
 Reference Point
 Data Point
 Stake 20001
 4" Pipe Outlet
 Culvert
 Drop Inlet

Aquatic Resources Delineation
Placer County Sports and Event Complex
 Roseville, Placer County, California

2617 K Street, Suite 175 | Sacramento, California 95816
 (916) 822.3220 | www.madroneco.com

Placer County, Esri/Imagery - 11/06/2016, Attachment: A:\D\m\714\2017_10-57-46 AM

(attachment 2)



Photograph 1. Seasonal wetland 1, taken from middle of eastern edge of feature, looking southwest.



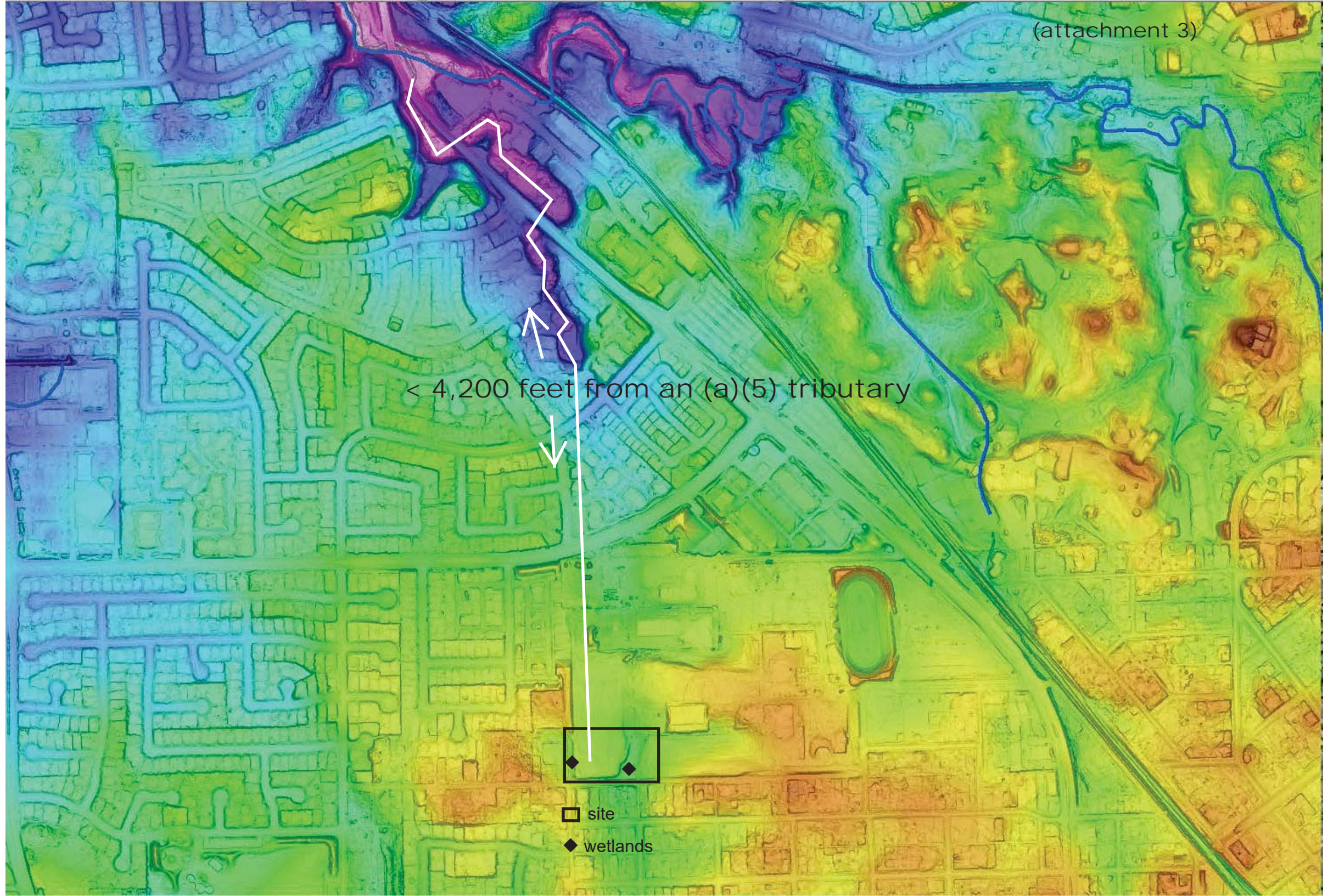
Photograph 2. Seasonal wetland 1, taken from middle of eastern edge of feature, looking northwest.



Photograph 3. Seasonal wetland swale 1, taken from middle of northern edge of feature, looking east.



Photograph 4. Seasonal wetland swale 1, taken from middle of northern edge of feature, looking west.



< 4,200 feet from an (a)(5) tributary



□ site

◆ wetlands

FIRM Map w/4,000' distance
 SPK-2019-00031
 Approved Jurisdictional Determination

(attachment 4)

Legend
 4,200' Path
 SPK-2019-00031-SW-1

Surfacewater Features

- Streams
- Canals
- Pipelines
- Waterbodies
- Coastlines
- Catchments
- Hydrologic Units

REFERENCE LAYERS

- NFHL Data Available
- FIRM Panel Boundary
- LOMR Boundary

SPECIAL FLOOD HAZARD AREAS

- 1% Annual Chance Flood Hazard Zone A, AE, A99, A0, AR, AR, VE
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee Zone X
- Areas Outside the 0.2% Annual Chance Floodplain Zone X
- Areas of Undetermined Flood Hazard Zone D

CROSS SECTIONS & BFES

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Coastal Transect Baseline
- Profile Baseline
- Base Flood Elevation

SUPPORTING INFORMATION

- Limit of Study
- Jurisdictional Boundary

Google Earth
 © 2018 Google

3000 ft

